

HARVARD UNIVERSITY

COMMISSION ON EXTENSION COURSES

78/79



Continuing Education for the Public Since 1910

20 Garden Street • Cambridge, MA 02138 • (617) 495-4024

1978-79 Calendar

Fall Term

September 13, Wednesday, through September 15, Friday. Early Registration Period. Lehman Hall open Wednesday and Thursday 2:30-8 p.m.; Friday 2:30-6 p.m.

September 18, Monday. Classes begin; Visiting Week begins.

September 18, Monday, through September 22, Friday. REGULAR REGISTRATION PERIOD. Lehman Hall open Monday through Thursday 2:30-8 p.m.; Friday 2:30-6 p.m.

September 25, Monday, through September 29, Friday. Late Registration Period and Official Change Period. \$10 late fee in effect. Only period to drop courses with refund and change credit status. 20 Garden Street office open Monday through Friday 2:30-6 p.m.

September 29, Friday. LAST DAY TO REGISTER WITH LATE FEE. LAST DAY TO DROP OR ADD COURSES OR CHANGE CREDIT STATUS.

October 9, Monday. Holiday: Observance of Columbus Day.

November 23, Thursday, through November 26, Sunday. Thanksgiving Recess.

December 15, Friday. Last day to request Withdrawal from Fall courses.

December 17, Sunday, through January 2, Tuesday. Christmas Recess.

January 3, Wednesday, through January 9, Tuesday. Optional class meetings to be determined by instructors.

January 3, Wednesday, through January 16, Tuesday. Examination Period. Midyear examinations in Through-Year courses. Final examinations in Fall Term courses. Dates will be announced by instructors.

Spring Term

January 24, Wednesday, through January 26, Friday. Early Registration Period for Spring Term. Lehman Hall open Wednesday and Thursday, 2:30-8 p.m.; Friday 2:30-6 p.m.

January 29, Monday. Spring Term classes begin; Visiting Week begins.

January 29, Monday, through February 2, Friday. REGULAR REGISTRATION PERIOD. Lehman Hall open Monday through Thursday, 2:30-8 p.m.; Friday, 2:30-6 p.m.

February 5, Monday, through February 9, Friday. Late Registration Period and Official Change Period. \$10 late fee in effect. Only period to drop courses with refund or change credit status. 20 Garden Street office open Monday through Friday, 2:30-6 p.m.

February 9, Friday. LAST DAY TO REGISTER WITH LATE FEE. LAST DAY TO DROP OR ADD COURSES OR CHANGE CREDIT STATUS.

February 19, Monday. Holiday: Observance of Washington's Birthday.

March 23, Friday. Last day to submit Divided Credit Petitions in Through-Year Courses.

March 25, Sunday, through April 1, Sunday. Spring Recess.

April 20, Friday. Last day to request Withdrawal from Spring and Through-Year courses.

May 7, Monday, through May 10, Thursday. Optional class meetings, to be determined by instructors.

May 8, Tuesday, through May 17, Thursday. Examination period. Final examinations in all courses. Dates will be announced by instructors.

May 28, Monday. Holiday: Observance of Memorial Day.

June 7, Thursday. Commencement.

(Extension policy traditionally has been almost never to cancel classes because of inclement weather. Should a snow emergency force us to cancel classes, an announcement will be broadcast on several local radio stations. If sudden illness or any other emergency prevents an instructor from holding his or her class, a notice will be placed on the classroom door, and the class will be made up at a later date.)

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Introduction

It gives me great pleasure to present our course program for the Commission on Extension Courses for the academic year 1978-79. This year marks the sixty-eighth year of continuous service by Extension to the community.

Since its founding in 1910, the Commission on Extension Courses has represented the following institutions: Harvard University, Tufts University, Massachusetts Institute of Technology, Boston University, Boston College, Simmons College, Wellesley College, Museum of Fine Arts, Massachusetts Department of Education, School Committee of Boston, and the Lowell Institute. The low tuition, open enrollment, and outstanding academic program of the Commission on Extension Courses over the years have attracted approximately 170,000 men and women to enroll in our courses for credit and non-credit, and about 1,150 students have earned the Harvard University degrees of Associate in Arts and Bachelor of Arts in Extension Studies—or, in earlier years, their equivalent. In the last two years some students have also earned the Certificate of Advanced Study, which constitutes a year of advanced study beyond the bachelor's degree in an area of concentration (Humanities, Social Sciences or Natural Sciences).

Last year Extension experienced notable growth in course offerings and in enrollments. We had more than 250 courses in forty fields. A total of 7,158 men and women enrolled in our program (a 10% increase over the previous year and the highest total in the history of Extension); they accounted for 11,411 course enrollments (again the highest total in our history).

Our students are a diversified group who bring impressive academic credentials to our classes: 93% have had some college work, more than 63% already have a bachelor's degree, and 23% have a master's degree or higher. Chronologically, the age range runs from 16 to 84 years, but three-quarters of our students are 35 years of age or under. Slightly more than two-thirds of the students are women. Economically, we find 15% coming from homes with a family income in excess of \$30,000, but most list family incomes of \$15,000 or less, with a third citing \$10,000 or less. Geographically, our students come in largest numbers from Cambridge and Boston, but many hardy souls travel from over 200 communities in Massachusetts and from all the New England states to attend our evening courses. Although most students enroll for only one course, their motivation and seriousness of purpose are indicated by the fact that nearly three-quarters take courses for credit.

This year Extension will again present a comprehensive course program, with some 270 courses in forty-four fields, including seventeen foreign languages and English as a Foreign Language. Most of our distinguished faculty will have a Harvard affiliation, but we will also have faculty representation from all the other member institutions of the Commission on Extension Courses. Our classes generally will be held in historic Harvard Yard in the evenings from Monday through Thursday, but some classes will meet in the late afternoon and on Saturday. As part of our "outreach" to the community we also will continue to sponsor select courses at the Museum of Fine Arts, New England Aquarium, and Museum of Science.



Beginning this fall, the Extension program will embark on a cooperative venture with Wheelock College, a nationally recognized institution in the field of Early Childhood Education and Development, with programs leading to education degrees at the associate and bachelor levels. Students in the Wheelock undergraduate programs, both part-time and full-time, can now fulfill a number of their liberal arts requirements by taking courses in our Extension program. Courses completed in Extension prior to entrance in the Wheelock degree programs may also be considered for transfer credit, and all interested students should consult the Registrar of Wheelock College for more information.

After many years of being located in Holyoke Center, the offices of the Commission on Extension Courses this spring moved to a new location at 20 Garden Street, next to the Sheraton Commander Hotel, across from the Cambridge Common. The Extension Library and counseling offices will remain in Lehman Hall, across from the Harvard Square MBTA station.

We look forward to another successful year of serving our students through Extension. Our primary aim remains to offer the best academic program we can assemble at times, locations, and tuitions that make it available to the greatest number of men and women interested in pursuing their educational goals and interests.

*Michael Shinagel, Ph.D.
Dean of Continuing Education
and
Director of University Extension*

General Information

The Extension Staff

The administrative offices for Extension are located at 20 Garden Street, Cambridge, MA 02138, telephone (617) 495-4024. The staff members, their positions, and areas of responsibility are as follows:

Dr. Michael Shinagel Dean of Continuing Education Director of University Extension	Overall supervisor of the Extension Program.
Mr. John F. Adams Assistant Director	Degree program advising and development, ombudsman.
Ms. Enid Fogel Assistant Director	Program development, advising, veterans affairs.
Ms. Barbara A. Hyde Program Advisor	Degree program advising, degree applications and requirements, transfer credits.
Ms. Ann Monro Accountant/Bookkeeper	Fees, payments, refunds.
Ms. Susan McGee Registrar	Exams, grades, transcripts.
Ms. Joanne Laidley Financial Aid Administrator	BEOG, other financial aid.

The office is open during the academic year from 9:00 a.m.-5:30 p.m. Monday through Thursday and 9:00 a.m.-5:00 p.m. Friday, and during the summer from 9:00 a.m.-5:00 p.m. Monday through Friday.

Accreditation

The Extension program is fully accredited by the New England Association of Colleges and Secondary Schools, and is the only Harvard program through which the A.A. degree may be earned. The Program was set up in 1910 as one separate from the Harvard College undergraduate program, with its own degrees and courses.

Extension courses are approved each year by the Harvard Faculty of Arts and Sciences to count toward the Harvard degrees of Associate in Arts in Extension Studies and Bachelor of Arts in Extension Studies.

Lowell Institute

The Lowell family has had a significant and sustained association with the Commission on Extension Courses. John Lowell, Jr. in 1836 provided in his will for the creation of an educational program for the citizens of Boston, and the Lowell Institute was founded in 1839 to support a variety of educational and cultural endeavors for the public.

In 1910, A. Lawrence Lowell, as Trustee of Lowell Institute and as the newly appointed President of Harvard University, formed the Commission on Extension Courses. In the spirit of the will of John Lowell, Jr., which stipulated that students in "more erudite and particular courses" pay as tuition "the value of two bushels of wheat," the Commission on Extension Courses has, because of a generous annual subvention by the Lowell Institute, been able to keep tuition for most of its courses low and easily within reach of the general public.

This year we note with sadness the passing of Ralph Lowell, a good and loyal friend of the Extension program who for many years served as Trustee of the Lowell Institute. We are, however, pleased to acknowledge the succession of John Lowell as the new Trustee of the Lowell Institute and a staunch supporter of our program.

As in recent years, Extension will again offer for credit the outstanding Lowell Lecture Series sponsored by the New England Aquarium and by the Hayden Planetarium of the Museum of Science. These series remain open and free to the public, but students seeking Extension course credit for them may do so by registering at the Extension office.

Policy

As a matter of policy, University Extension does not discriminate among applicants and students in admissions, educational policies, scholarship and loan programs, and other programs on the basis of race, religion, sex, national origin, color or handicap.

The Commission on Extension Courses at Harvard University does *not* offer courses by correspondence. Students seeking correspondence courses can write to the Office of the Secretary, National University Extension Association, Suite 360, One Dupont Circle, Washington, D.C. 20036, for the publication entitled *Guide to Correspondence Study*.

Students interested in summer study should contact Harvard Summer School, 20 Garden Street, Cambridge, MA 02138, telephone (617) 495-2921.

Facilities, Resources and Services

Student Center

The Center for Extension Students is in Lehman Hall, which is located in Harvard Yard, opposite the Harvard Square subway station. Students can find the following facilities there:

The Extension Library and Reading Room. (See section on Libraries.)

The student dining room, with cash cafeteria, open September through June, Monday through Thursday, 8:00 a.m.-7:30 p.m., and Friday, 8:00 a.m.-4:00 p.m.

Counseling Center

The Counseling Center, located off the Extension Library on the second floor of Lehman Hall, is open to all credit students. The counselors, two of whom received their bachelor's degrees from Extension, are prepared to assist students in choosing courses, making educational plans, researching graduate programs, and formulating career goals. The counselors can advise students on all aspects of the degree program, its application procedures and requirements. The Center also offers a study skills workshop designed to help students learn to take notes, study for exams, and do research. The counselors are Mr. Edgar Grossman, Ms. Barbara Hyde, and Ms. Phyllis Markowitz. Students may see a counselor without appointment, Monday, Tuesday and Wednesday evenings during the academic year. Exact hours are posted in the Extension Library. Pre-med students should consult Mr. William Wallace, Pre-Med Advisor. (See section on Pre-Med program.)

Preregistration Counseling will be available from 5:30 to 8:00 p.m. at the Counseling Center on September 6-7, 11-14, and 18-21, 1978 for the Fall Term; and January 17-18, 22-25, 29-31 and February 1, 1979 for the Spring Term.

Two Non-Credit Workshops will be offered by Ms. Phyllis Markowitz, Ed.M., Extension Counselor:

The Study Skills Workshop will help students learn to deal more effectively with course requirements. Topics covered will include reading more efficiently, preparing for and taking exams, strategies for writing papers (including topic selection, research skills, and footnoting rules), note taking, and using a library. This will include a visit to Widener Library. The predominant approach in this course will be through the use of exercises and discussions. Students' own course books will be utilized. Enrollment will be limited.

The Study Skills Workshop will meet Wednesdays, 7:30-8:30 p.m., for six weeks in Sever Hall 18. Workshop fee is \$20.00. The workshop will be given four times during the academic year. Starting dates are September 27 and November 15 in the Fall; February 7 and March 21 in the Spring. Students must enroll in person at registration or the Extension office and pay the fee before the first class.

Women in Transition: Changing Roles and Careers, and Issues of Self Identity: This workshop is designed primarily for women who feel that they are at turning points in their lives. It will offer the participants an opportunity to explore, identify, and begin to deal with some of their experiences by means of discussions evolving from group process, a series of in-class exercises, and directed readings. Members will also have the opportunity to examine career options elucidated by taking a vocational interest test. This will be followed by identifying such professional skills and strengths as might be related to a chosen career and articulating them in a resume writing exercise.

This workshop will meet Wednesdays, 5:30-7:15 p.m., for ten weeks in the Fall Term only, beginning October 4, 1978. Workshop fee is \$50.00. Enrollment in this workshop is limited. Applicants will be admitted only by interview with Ms. Markowitz during pre-registration counseling, September 7, 11, or 14, 5:30-8:00 p.m. in the Extension Counseling Center, Lehman Hall.

Language Laboratory

The Harvard University Language Laboratory is located in the basement of Boylston Hall, in the Yard, and is available for use by Extension students taking foreign language courses. A language laboratory fee has been included in the tuition for courses in which use of this facility is required. For courses in which the lab is not required, students may pay an additional \$5 fee per course per term at registration to use the language lab. The language laboratory is open Monday through Thursday, 9:00 a.m.-10:00 p.m., Friday, 9:00 a.m.-5:00 p.m., and Sunday, 2:00-10:00 p.m. Students will be asked to show their registration receipts each time they use the laboratory.

Parking

Parking in the Harvard area is by permit only. Students may obtain parking permits for the Broadway Garage for all or part of the semester at the rate of \$1 per day. To do so, contact Ms. Peggy Pontes, Parking Office, 495-4785. Parking is also allowed in several metered areas in Harvard Square.

Harvard University Libraries

The Extension Library and Reading Room, where students can find required reading lists and reading material on reserve for their Extension courses, is located on the second floor of Lehman Hall. The library is a reading and study library *only*, and is open to both credit and non-credit Extension students. The library is open September through May,

Monday through Thursday, 12:00 noon-10:00 p.m., and Friday, 12:00 noon-6:00 p.m. It is closed on weekends, school vacations, and June through August.

Use of Hilles, Lamont, and Widener Libraries of Harvard University is a privilege granted to admitted candidates for the degrees of Associate in Arts and Bachelor of Arts in Extension Studies and for the Certificate of Advanced Study. Degree candidates should check at the Privileges Desk in each of these libraries for specific procedures.

Student Publication

The Lamplighter is a student-run publication produced by members of the Harvard Extension community. A wide variety of opportunities exists for contribution of time or effort, including reporting on events, writing articles, poetry contributions, and art work. Those interested should write *The Lamplighter* c/o Harvard Extension, 20 Garden Street, Cambridge, MA 02138. Please include telephone number and address where you can be reached.

Museums, Films, Cultural Events at the University

All Extension students are encouraged to visit the University museums and to take advantage of the variety of cultural events which are offered throughout the academic year. Announcements of films, concerts, lectures, and dramatic productions are posted in most University buildings.



Registration

Registration Procedure

The Commission on Extension Courses follows an open admissions policy. No formal application is required. Course prerequisites, if any, are given in the course descriptions.

Students must register in person according to the following schedule:

	Fall 1978	Spring 1979
Early Registration Lehman Hall	Sept. 13-15 Wed. & Thurs.: 2:30-8 p.m. Fri.: 2:30-6 p.m.	Jan. 24-26 Wed. & Thurs.: 2:30-8 p.m. Fri.: 2:30-6 p.m.
Regular Registration & First Week of Classes Lehman Hall	Sept. 18-22 Mon.-Thurs.: 2:30-8 p.m. Fri.: 2:30-6 p.m.	Jan. 29-Feb. 2 Mon.-Thurs.: 2:30-8 p.m. Fri.: 2:30-6 p.m.
Late Registration \$10 late fee per course Week to drop and add courses and change credit status. 20 Garden Street	Sept. 25-29 Mon.-Fri.: 2:30-6 p.m.	Feb. 5-9 Mon.-Fri.: 2:30-6 p.m.

Lehman Hall is located in Harvard Yard near the subway station and across Massachusetts Avenue from Holyoke Center. 20 Garden Street is located next to the Sheraton Commander Hotel, across from Cambridge Common.

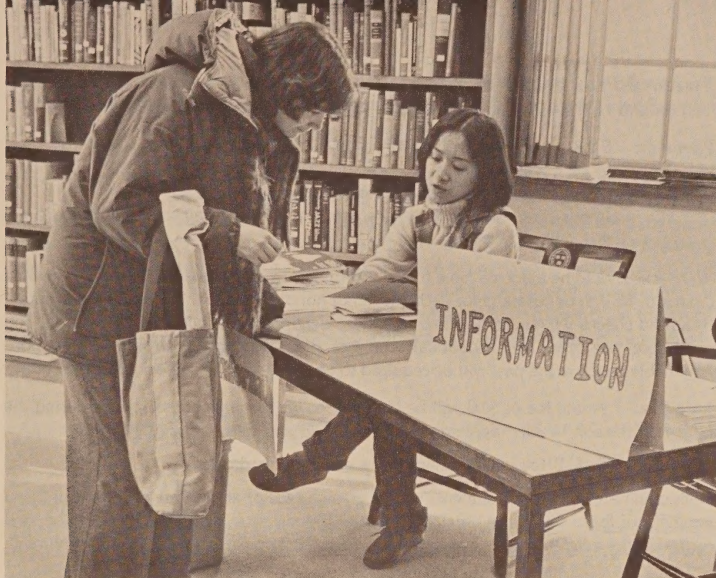
Students are encouraged to register early for courses in which enrollment is limited: seminars, writing courses, special workshops and tutorials.

Students may visit classes during the first week without being registered; however, they **must** be registered for all subsequent classes. **The last days to register without a \$10 late fee are Friday, September 22, and Friday, February 2.** Registration with a \$10 late fee will continue during the weeks of September 25-29 and February 5-9.

The last days to register for a course for credit, drop a course with refund, or change credit status are Friday, September 29, and Friday, February 9. Students may not drop a course or change credit status before September 25 and February 5. Students may continue to register for a course for non-credit after these dates, but must pay full non-credit tuition and a \$10 late fee for each course.

Fall: Registration in September is for Fall Term and Through-Year courses only. Students who register in September for a Through-Year course do not register for that course again in January.

Spring: Registration for all Spring Term courses is in late January and early February. At this time, with the approval of the course instructor, students may also enroll in the



second term of a Through-Year course. They will pay a pro-rated tuition fee and will be eligible to earn a **maximum** of one-half of the amount of credit listed for the entire course.

Enrollment: Extension courses, with the exception of seminars, writing courses, special workshops and tutorials, have unlimited enrollment. Language courses form new sections as enrollment increases. Students who plan to register for courses which have a limited enrollment should do so early in the registration period.

ID's: All credit and non-credit students are given a receipt at registration which is the official Extension student identification. It should be kept for the entire academic year and carried to all Extension classes as proof of enrollment.

Tuition and Fees

Registration Fee: A \$10 REGISTRATION FEE IS REQUIRED FROM EVERY STUDENT AT BOTH FALL AND SPRING REGISTRATIONS. This fee is not refundable.

Tuition: The tuition for each course is indicated in the individual course listings in this catalogue. Most courses may be taken for credit for \$20 per credit unit; non-credit tuition usually is lower. Tuition for language and science courses which require the use of laboratories or other facilities includes any additional lab fees. Tuition for these courses is the same for credit *and* non-credit students. Extension seminars and writing workshops, which are limited in enrollment and are open to only credit students, range in tuition from \$150 to \$175.

Terms of Payment & Fees

Tuition and registration fees are due and payable in full upon registration.

Payment: Fees are paid at registration by the following means:

1. Cash or travelers checks.
2. Master Charge or VISA (BankAmericard).
3. Cashier's checks, certified checks, or money orders are preferred, but personal checks will be accepted.

All checks should be made payable to the **Commission on Extension Courses**. A service charge of \$5 will be assessed for each check not honored by a bank when first presented. Returned checks which are not made good by deadline dates will also be assessed any applicable late fees. Any individual who has presented the Extension with a non-negotiable check in the past will be required to use cash, cashier's check or money order.

Late Fee: A late fee of \$10 will be charged for each course registered for during the Late Registration Weeks (September 25-29, 1978 and February 5-9, 1979).

Drop Fee: A \$10 fee will be charged for each course dropped.

Both credit and non-credit students will be given a receipt at the time of registration and payment of fees. This is the official (and only) Extension student I.D.; it should be kept for the entire academic year and carried to all Extension classes as proof of enrollment.

Dropping, Adding and Credit Status Changes

Official dropping and adding of courses or changes in credit status are made by filing *in person* the proper forms in the Extension Office, September 25-29, 1978, for Through-Year and Fall Term courses, and February 5-9, 1979 for Spring Term courses. These are the **only** periods in which students may drop courses with refund or make changes. The \$10 registration fee paid at the time of original registration will not be refunded, and an additional fee of \$10 will be charged for **each** course dropped.

Financial Aid

Extension offers no deferred payment tuition plan; students are encouraged to utilize the deferred payment opportunities offered by Master Charge and VISA. The following sources of financial aid should be consulted by those eligible:

1. Approval of Extension courses by the Veterans Administration makes possible financial assistance to veterans under several Public Laws granting educational benefits to degree candidates. Those interested should consult the Veterans Section, Holyoke Center, 5th floor, or call 495-2723. Students should also contact Ms. Enid Fogel in the Extension office.

2. Those enrolled in degree programs may also be eligible for educational loans granted by banks and other financial institutions. Inquiries in each instance should be first directed to the financial institution of the student's choice; supporting documentation will be completed at the Extension office.

3. The Basic Educational Opportunity Grant Program is a Federal financial aid program designed to assist students in the continuation of their training and education after high school. Student eligibility is based on financial need and determined by a formula applied consistently to all applicants. BEOG may be used at Extension by students who are **admitted** degree candidates, are attending at least half time per semester (8 units), and who are in good academic standing. In order to expedite processing of BEOG awards, eligible students are asked to call 495-2921 to make an

appointment to see Ms. Joanne Laidley one week before registration. (Fall, September 5-8; Spring, January 15-19.) Additional information on BEOG is available at the Extension office.

4. Extension degree candidates can apply for a limited number of scholarships for the Harvard Summer School. For more information, inquire at the Extension office.

5. Many salaried non-teaching staff members of Harvard University who have worked at least 17 1/2 hours a week continuously for the three months prior to Extension registration are eligible for tuition assistance under the University's Tuition Assistance Plan (TAP). They may enroll in a maximum of 4 credits per term for credit or non-credit and pay \$25. A completed TAP form, approved and signed by the employee's supervisor and department personnel representative, must be presented to Extension at the time of registration. All questions on eligibility and requests for TAP forms should be referred to the Personnel Office, 495-2773.

Academic Policy

Grades

Letter Grades: The following letter grades are given to students in Extension courses: A and B are honor grades; C is satisfactory; D is passing, but unsatisfactory; E is failure. Pluses and minuses are given; however, there is no grade of A plus.

In addition, Extension students may receive the following notations, in lieu of letter grades:

ABS: ABS (Absent) indicates absence from a final or, in Through-Year courses, a midyear examination. ABS can be changed to a letter grade only if a make-up examination is taken. (See section on Examinations.)

INC: INC (Incomplete) is given in seminars and writing courses to any student who does not complete required work, or, in other Extension courses, to any student who does not complete work **other than the final or midyear examination**, by the end of the term. INC can be changed to a letter grade **only** if a special arrangement is made with the instructor before the end of the course for submission of the work by a deadline which must be within the following term. The decision if and when to accept late work is left entirely to the discretion of the instructor.

WD: Students who find after the official add/drop period that they are unable to complete an Extension course may request WD (Withdrawal) in that course. Requests for WD must be in writing and received in the Extension office by December 15, 1978 for Fall Term courses and by April 20, 1979 for Spring Term and Through-Year courses. WD **cannot** be changed to a letter grade and **does not** result in any tuition refund. The WD option has been in effect since September 1977.

The ABS, INC and WD carry no academic credit. However, they are not and do not become failing grades. They remain permanently on students' academic records and are included on all transcripts.

Grade Reports

Final grade reports are sent to all credit students in March for Fall Term courses and in June for Spring Term and Through-Year courses. Midyear grades are **not** sent to students enrolled in Through-Year courses. Grades are **not** released to students prior to the above mailing times, except on official transcripts. Students who wish to know their final grades

prior to receiving the official notice of their grades may submit stamped, self-addressed postcards to their instructors for that purpose. The grade report is sent to the address given by the student on the registration form. Notice of any address change must be received in the Extension office by December 15, 1978 and April 20, 1979 for final grades to be sent to the new address.

Transcripts

An official transcript showing *all* courses taken for credit with Extension may be requested at any time. All transcript requests must be made in writing or in person at the Extension office by the student him/herself. The fee is \$2 for each copy requested. Transcripts take from five to ten days to process; students with specific deadlines should keep this in mind and submit their requests as early as possible.

Examinations

Final examinations are given in all Extension courses, with the exception of seminars and writing courses. In Through-Year courses, midyear examinations are also given. Students must take these examinations to receive course credit. ***There are no exceptions to this policy.*** Students may not take examinations earlier than the scheduled exam date. Students who wish to have their final examinations and papers returned to them at the end of the term may submit a stamped, self-addressed envelope to their instructors for that purpose.

Make-up Examinations: All students are expected to attend their midyear and final exams at the scheduled time. ***Make-up examinations are rarely given.*** Only those students in good standing who must miss an exam because of an emergency situation may petition to take a make-up exam. These petitions must be accompanied by authoritative documentation and must be received in the Extension office ***within one week of the missed exam.*** A \$10 fee is charged for each make-up exam that is taken.

Courses and Credits

In the past, Extension used the Harvard system of courses (full courses, half courses, and quarter courses) to indicate the amount of work covered in a subject. In the 1976-77



academic year, Extension converted to the more widely used credit system. Our courses are now worth 2, 3, 4, 6 or 8 credit units, and each credit unit is comparable to one semester hour. The units of credit for each course are listed in the individual course descriptions in this catalogue.

Courses which have an asterisk (*) in the title are upper-level courses, which correspond to courses normally taken by juniors, seniors, and beginning graduate students in the arts and sciences.

Through-Year Courses

Through-Year courses are designed with the expectation that students will take them for the entire year. In September, students must register for the full year in Through-Year courses and pay the full year's tuition. They do *not* register for the course again in January. However, if students find in the early part of the Spring Term that they are unable to complete the second half of the course, they may petition to receive "divided credit," that is, credit and a grade for the Fall Term's work. They must be in good standing in the course, have taken the midyear examination, and secured the instructor's approval. Petitions for divided credit are available in the Extension office and may be filed no later than Friday, March 23, 1979. No refund of tuition is given for divided credit in a Through-Year course. The only time to drop a Through-Year course with refund is during the Fall change period, September 25-29, 1978.

Cancellation of Courses

Extension reserves the right to cancel courses in which it determines that registration is below a minimum number of students. Extension also reserves the right to make such changes in fees and other charges, and in regulations, facilities, courses and instructors as, in its sole judgment, are necessary and appropriate. Every effort will be made to notify those who have enrolled of any such cancellations or changes as early as possible, so that they may select other courses if they wish.

Attendance

Students are expected to attend classes regularly. Credit toward a degree will not be given if the number of absences exceeds one-fourth of the total number of class meetings. Consult the calendar on the inside cover for holidays and other times when classes will not meet.

Plagiarism and Preparation of Papers

Papers submitted to meet course requirements are expected to be the student's own work. In the preparation of all papers and other written work submitted to meet course requirements, a student should be careful to distinguish between ideas which are his or her own and those which have been derived from other sources. Information and opinions drawn from whatever source are to be attributed specifically to their respective sources. Students should learn the proper forms of citation. Quotations must be properly placed within quotation marks and cited fully. In all cases where ideas or material presented are derived from a student's reading and research, the source used must be indicated. A student who submits work that is not his or her own or that is without clear attribution to the original source is guilty of plagiarism and will ordinarily be excluded from the course and required to withdraw from the program.

A student is liable to disciplinary action if he or she makes use of the services of a commercial tutoring school or term paper company.

A student may not submit the same paper, in substance, in two or more courses without the prior written permission of the instructors involved.

Student Appeals

Students who have requests for special consideration regarding Extension policy may appeal in writing to the Administrative Board for University Extension. The Board meets several times during the academic year and reviews student petitions at these times. Consult an academic advisor or counselor if you are considering filing an appeal. Your appeal should be addressed to the Director of University Extension and should be as detailed and documented as possible.

Conduct

Extension students are expected to conduct themselves maturely and responsibly in the Harvard community. A student who infringes on the rights of others, or who violates the rules and regulations of any University department, or who in any way disturbs orderly academic functions and processes will be reviewed by the Administrative Board for University Extension. The Board may, after duly considering the evidence and the seriousness of the charge, require a student to withdraw from courses or from the degree program or require that the student no longer have a right of access to University facilities or buildings.

Release of Information

Under the provisions of the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment) and the final regulations thereto released by the Department of Health, Education and Welfare on June 17, 1976, no information from records, files and data directly related to those enrolling in University Extension courses should be disclosed by any means (including telephone) to individuals or agencies outside of Harvard University without the consent in writing of the student, except for the qualifications noted in Public Law 93-380 (Educational Amendments of 1974).

The following information about Extension students may be made available without their prior consent, since it is considered a part of the public record of their enrollment: name, address, dates of enrollment, field of concentration (degree candidates only), and date of graduation (degree candidates only).

Any student is entitled to request that any or all of this information *not* be made publicly available. Such requests must be submitted in writing to the Director of University Extension and shall be effective only with respect to information not released at the time of receipt of the written request. Such a request will remain in force until revoked, again in writing, by the student.

Special Programs

Pre-Med Students

Students interested in fulfilling their pre-medical requirements may do so through Extension. Pre-medical guides are available in the Extension office and should be used to help you plan your program. Students may wish to consult the pre-medical advisor, Mr. William Wallace, Harvard Hall Basement, 495-2954, to discuss admissions procedure, specific requirements, etc.

All students are asked to file a Pre-Medical Registration Card, available at the Extension office. Notices of special interest to pre-medical students will be posted on the bulletin board in Lehman Hall.



Wheelock College—Commission on Extension Courses Joint Program

Beginning in September 1978, Wheelock College, a nationally recognized leader in the field of early childhood education, and the Commission on Extension Courses will embark on a cooperative venture.

Under this joint program, students who enter an undergraduate program at Wheelock can fulfill a number of liberal arts requirements by taking Harvard Extension courses. The particular courses taken through this program must be approved in advance by the Wheelock College Registrar.

For more information on the Wheelock degree programs, admission requirements, and course listings, please write or telephone:

Registrar
Wheelock College
200 The Riverway
Boston, MA 02215
(617) 734-5200, X132

Certificate and Degree Programs

Certificate of Advanced Study

Since 1977 Extension has offered a Certificate of Advanced Study (C.A.S.) representing the work covered in the first year of graduate study. The C.A.S. is pursued with a concentration in one area (Natural Sciences, Social Sciences, Humanities).

Candidates for the C.A.S. must complete 32 units, all of which must be in upper-level courses, with a grade of B minus or better. Any course in which a candidate receives a grade lower than B minus will not be counted toward the C.A.S. Of the total 32 units, at least 24 units must be in the area of concentration, and at least 4 units must be in an Extension Seminar in that area. Also, candidates will complete 4 units in an Independent Research project, which is supervised by a Harvard faculty member. Tuition for this research project course will be \$200.

Of the total 32 units, at least one-half (16 units) must be taken with Harvard instructors. Upper-level courses which candidates take in Harvard Summer School, or in the Faculty of Arts and Sciences as a Special Student, may be counted toward the Certificate. No credits will be transferred from other colleges or universities. Only the Radcliffe Seminars which are listed in this catalogue may be counted toward the C.A.S.

A Bachelor of Arts degree, or its equivalent, is a prerequisite for application. Applicants must complete 12 units of upper-level courses in Extension, Harvard Summer School, or in the Faculty of Arts and Sciences, beyond those counted for a bachelor's degree, with grades of B minus or better *before* being admitted to the C.A.S. program. There will be a non-refundable \$25 application fee. Application blanks are available in the Extension office, 20 Garden Street.

Associate and Bachelor's Degrees

In 1960, Harvard University established the Bachelor of Arts in Extension Studies, which represents four years of college work. The Associate in Arts degree in Extension Studies was first awarded in 1971 and represents two years of college work. The awarding of degrees is approved by the Faculty of Arts and Sciences of Harvard University. Holders of the A.B. in Extension Studies may be considered for admission to graduate and professional schools within the University, and Extension graduates have attended these schools as well as other graduate programs throughout the country.

At present, approximately 300 students are enrolled in Extension degree programs. Degree candidates find that among the attractions of the Extension program are a variety of excellent courses, low tuition costs, no minimum number of courses to be taken each semester, flexible degree requirements, and convenient hours.

The Administrative Board for University Extension in April 1978 revised the degree and pre-admission requirements. The new requirements affect students who apply to the degree program on or after September 1, 1978.

Individuals who have questions about the degree program, application procedures, or degree requirements should contact one of the academic advisors in the Extension office or a counselor in Lehman Hall.

Admissions Procedure for Degree Candidacy

The Harvard Extension degree program follows an open admissions policy. Neither formal entrance requirements nor S.A.T. scores are required for admission to candidacy for the degrees of Bachelor of Arts in Extension Studies or Associate in Arts in Extension Studies.

Students must be in good academic standing at any other institutions they attended to be admitted to the Extension degree program.

All applicants must satisfactorily complete some course work in Extension with honors grades **before** being admitted to the degree program. The amount of course work depends on whether the applicant has satisfactorily completed a full year or more of college courses at other institutions. All of the courses a student completes in Extension before being admitted count toward the degree after admission.

Students with a Year of Transfer Credit: Before an application for official degree candidacy will be accepted, students who have satisfactorily completed a full year (32 credits) or more of college courses at other institutions are required to complete in the Extension program* 8 credit units of grade B minus or better.

Students with Less than a Year of Transfer Credit: Before an application for official degree candidacy will be accepted, students who have completed less than a full year (32 credits) of college courses at other institutions are required to complete in the Extension program* 16 credit units of grade B minus or better.

Applications

After a student has completed the required amount of course work in the Extension program, he or she may make application to the degree program. Application blanks are available in the Extension office and may be submitted at any time during the year. Applications must be accompanied by a non-refundable \$25 fee. Students who wish to receive transfer credit for course work completed elsewhere should follow the procedure for transfer credit set forth below at the time they apply.

After the applicant has satisfied all admission requirements and has submitted all necessary materials, the Director of University Extension will review the application and will send written notification of acceptance to all successful candidates. Upon acceptance, the candidate will receive an evaluation of transfer credit, if any, and degree requirements remaining after admission.

Please note that persons who already hold corresponding degrees from other institutions **may not** become candidates for the A.B. or A.A. in Extension Studies.

Transfer Credit

Degree candidates may receive transfer credit for college work completed elsewhere provided that:

1. the college or university was fully accredited as a liberal arts institution at the time the student attended,
2. the courses for which the student seeks credit are liberal art courses, and
3. the student received a grade of C minus or better in the courses taken.

Degree candidates wishing to receive transfer credit should have the institution send **directly to the Extension office** an official transcript of their work. Student copies are not acceptable. The transcripts should be accompanied by photocopies of the catalogue descriptions of the courses taken for the years the students attended. Students who have their own copies of catalogues of the years attended may send them separately.

*Or as a Harvard Summer School or Harvard Special Student.

Degree candidates who attended Harvard College or Harvard Summer School prior to admission to the Extension degree program should request official transcripts from the appropriate registrars.

Requirements for the Associate in Arts in Extension Studies

Beginning September 1, 1978, applicants for the Associate in Arts degree must have completed *all* of their course work at Harvard Extension, Harvard Summer School, or in the Faculty of Arts and Sciences. This degree will not be awarded to students who have received transfer credit.

1. Candidates for the degree must pass a total of 64 units, with grades of C minus or better in 48 units.
2. At least 8 units must be passed in each of the three areas: Natural Sciences, Social Sciences, and Humanities.
3. Candidates must pass with a grade of C minus or better 8 units of English Composition. Only those specified courses listed under English Composition in this catalogue will fulfill this requirement.
4. Courses in professional subjects taken under Harvard auspices may count toward fulfilling the requirements for this degree, up to a maximum of 8 units.

Requirements for Bachelor of Arts in Extension Studies

1. Candidates must pass a total of 128 units, with grades of C minus or higher in 88 units.
2. Candidates choose either the Natural Sciences, Social Sciences, or Humanities as an area of concentration, and must pass at least 32 units in their chosen area.
3. For distribution, candidates must pass at least 8 units in each of the three areas (Natural Sciences, Social Sciences, Humanities) regardless of their area of concentration.
4. Candidates must pass with a grade of C minus or higher 8 units of English Composition. Only those specified courses listed under English Composition in this catalogue will fulfill this requirement. One full year of English Composition completed at another institution and acceptable as transfer credit will also fulfill this requirement.
5. Candidates must pass with a grade of C minus or higher 8 units in a foreign language. One full year of a foreign language completed at another institution and acceptable as transfer credit will fulfill the foreign language requirement.
6. At least 60 units must be in upper-level courses. Courses which are marked with an asterisk are upper-level courses.
7. At least 40 units must be taken with Harvard instructors. Instructors' affiliations appear after their names in the course descriptions.
8. Courses in professional subjects taken under Harvard auspices may count toward fulfilling the requirements for this degree, up to a minimum of 16 units.

Candidates should consult Extension counselors about using scores on standardized tests (C.L.E.P., S.A.T., A.P., C.E.E.B.) to fulfill English Composition, foreign language, and other degree requirements.

Please note that credit toward a degree will not be given for an elementary course in languages or in English Composition if a more advanced course in the same subject has previously been counted for the degree. Students may not count for the degree any two courses which duplicate subject material, nor any two courses in which a conflict in time occurs.

Admitted Degree Candidates

Admitted degree candidates should keep in touch with the Extension staff, notifying them of changes in educational plans, changes in address, and anticipated date of graduation.

Candidates should take advantage of the academic advising and counseling services offered by Extension to be sure they are aware of any remaining degree requirements.

After admission to the degree program, candidates are expected to complete all of their remaining course work at Harvard Extension, Harvard Summer School, or as a Harvard Special Student. Candidates who for a special reason wish to receive credit for a course taken at another institution must request in writing approval of the course from the Extension well before enrolling in the course. Such approval, particularly in regard to summer schools, is given rarely.

Candidates who expect to complete requirements for a degree during the 1978-79 academic year must notify the Extension office in writing at least three full months prior to their anticipated date of graduation. Degrees are awarded in November, March, and June. Candidates may not receive both the Associate and Bachelor's degrees in the same academic year.

Candidates who are taking courses in the Faculty of Arts and Sciences at Harvard or in Harvard Summer School should also notify the Extension office of this fact in writing to insure that all credits earned are properly recorded.



Requirements for Graduation with Honors

Students may earn the A.B. in Extension Studies with Honors provided that they receive a certain proportion of units at Harvard with honor grades (B minus or better). Only those courses taken at Harvard are considered in determining Honors. If a student completes all 128 units at Harvard, 88 units must have honor grades for the student to graduate with Honors. Students who have transfer credit from other colleges must have a higher proportion of honor grades for the work completed at Harvard. See the following chart:

Units completed at Harvard	Units with honor grades needed to graduate with Honors
less than 64	all
64, 68	60
72, 76	64
80, 84	68
88, 92	72
96, 100	76
104, 108	80
112, 116, 120	84
124, 128	88
132, 136	92
140, 144	96
148, 152	98

Academic Standing

The Administrative Board for University Extension has determined that degree candidates must remain in good academic standing. The Board views grades of D and E, as well as Absent and Incomplete notations, as indicative of poor performance. Degree candidates should be cautious of registering for more courses than they can successfully complete. Degree candidates taking one or two courses in a term will be in poor academic standing if they receive one or more unsatisfactory grades (D, E, ABS, INC). Those taking more than two courses in a term will be in poor academic standing if they receive two or more unsatisfactory grades (D, E, ABS, INC). Degree candidates who are unable to complete a term's work due to illness or other problem should send an explanation to the Director of Extension **before** the final exam period.

Those in poor academic standing will be notified in writing that they will be placed on academic probation. They may be released from probation upon completing a term in good academic standing.

C.L.E.P. Exams

The College Level Examination Program (C.L.E.P.) provides a means for adults to earn college level credit through examination. C.L.E.P. exams are standardized tests which measure the college level competency an adult has gained on his or her own, through work experience or other means than as a college student. There are subject and general exams in a wide range of areas, including English Composition.

The C.L.E.P. exams are designed for students who are beginning their undergraduate work, not for those with 60 or more units completed. Therefore, students may not receive credit for a C.L.E.P. exam in any area in which they have already completed course work. Students considering obtaining credit through C.L.E.P. should discuss this option with an academic advisor or counselor in Extension before taking any exams.

The exams are given once a month at several local campuses, including Northeastern and Boston Universities. Pre-registration and a fee are required. The Administrative Board for University Extension will consider for transfer credit C.L.E.P. exams in liberal arts areas in which the student has obtained a score of at least 560 in general exams, or 56 in subject exams (the 73rd percentile). Each C.L.E.P. exam is worth 4 units of credit and a student may receive credit for a maximum of **three** exams (12 units).

Special Student and Visiting Undergraduate Student (VUS) Option

Active degree candidates, with honors academic records, may wish to accelerate their progress towards the degree by taking courses in the daytime undergraduate program. Such individuals should confer first with their academic advisor in Extension and then apply either to the Special Student or VUS Program under the official guidelines of each. If accepted, the candidate would be a Harvard Special or VUS, ordinarily for not more than two semesters. As such, he/she would take one to three Harvard courses during the day and an Extension course in the evening. The candidate would pay the full Harvard tuition rate, pro-rated per course, for courses taken under the Faculty of Arts and Sciences. Because of the demanding workload, a candidate should not plan to hold more than a part-time job while a Special Student or VUS. For more information about the two programs, contact Ms. Betty Baptiste, Special Student Office, 495-5392, or Mrs. Louise Cohen, VUS Office, 495-5309.

Independent Study

Degree candidates who would like to pursue an area of study which is not offered as a course in Extension may want to consider designing an Independent Study project. A few of the topics students have chosen for independent work are nutrition, Anglo-Saxon poetry, socialization, and Armenian history. The Independent Study option is limited to Extension degree candidates with good academic records who have demonstrated ability to work on their own.

Applicants propose a project they design with an instructor who must be a member of the Harvard Faculty of Arts and Sciences. Candidates must fill out an application, available in the Extension office, and secure signed approval from the instructor and the Director of University Extension. Students pay tuition of \$100 for each 4-unit course of Independent Study, which counts as 4 upper-level units of credit. Students are ordinarily limited to one Independent Study per academic year.

Independent Research

Candidates for the Certificate of Advanced Study are required to complete satisfactorily a course in Independent Research under the supervision of a member of the Harvard Faculty of Arts and Sciences. Applications for this course are available in the Extension office. They should be completed by the candidate and, after consultation with an academic advisor, arrangements will be made with a suitable member of the faculty to supervise the research project. The tuition for this 4-unit upper-level course is \$200.



List of Courses

(Arranged in alphabetical sequence by field)

Starred (*) courses carry upper-level credits according to the number of units listed. The first date of meeting for each course is given in parentheses. The course numerical code follows the Harvard system, and is designed to facilitate registration procedures.

Students in the degree and certificate programs will find distribution areas indicated after each course description on the right-hand side as follows: Area A (Natural Sciences), Area B (Social Sciences), Area C (Humanities). Of the courses without area designations, elementary language courses satisfy the degree language requirement, and some English Composition courses and writing workshops (see specific list in appropriate section of this catalogue) satisfy the English Composition requirement.

Afro-American Studies

Afro-American Studies E-119a *Pan-Africanism to the Present

Ewart Guinier, J.D., Professor of Afro-American Studies, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 102.

1900-1917: Sylvester Williams, W.E.B. DuBois, and Marcus Garvey. 1917-1945: Garvey, DuBois, George Padmore, Aimé Césaire, C.L.R. James, Paul Robeson. 1945: DuBois, Nkrumah, Frantz Fanon, Malcolm X, Stokely Carmichael. The African "isms" symbolized by these names analyzed in relation to each other, and also in relation to the Boer War, World War I, the founding of the Third International, World War II, the Bandung Conference, "Black Power," the Sixth Pan African Congress of 1974, and developments in Southern Africa.

Area B

Afro-American Studies E-128c *Literature and Revolution in the Third World

Selwyn R. Cudjoe, Ph.D., Assistant Professor of Afro-American Studies, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

An examination of the relationship between literature and revolutionary struggle in the Third World. Attention will be given to the novels and poetry before, during, and after revolutionary struggle. Special emphasis will be given to the poetry of Southern Africa and the Cuban novel. Some of the authors who will be considered are Machel, Santos, de Sousa, Carpentier, and Desnoes.

Area B

Afro-American Studies E-131a *A Survey of Afro-American Literature

Chidi U.E. Ikonne, Ph.D., Assistant Professor of Afro-American Studies, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 103.

The course will focus upon the formal elements of three genres (narrative, poetry, drama) and examine the central motif of quest for freedom and literacy which emerges from the selected works. (No prerequisites.)

Area B

Anthropology

Anthropology E-1b Socialization: An Anthropological Introduction

Nancy J. Schmidt, Ph.D., Librarian, Peabody Museum of Archaeology and Ethnology, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

An introduction to anthropological approaches to the study of the life-long processes of learning to be a member of a society. The biological bases of socialization and general socialization processes will be reviewed. Case study materials from Africa, North America and the South Pacific will be examined. Area B

Anthropology E-104a *History of the Ethnographic Film

Joan T. Mark, Ph.D., Research Fellow in the History of Anthropology, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. (Note: Tuition includes film rental fee.) Harvard Hall 104.

A study of conceptual and technical developments in the use of film in anthropology (including narrative films, documentaries and film sequences of particular events or aspects of behavior). The course includes films by Robert Flaherty, Basil Wright, Gregory Bateson and Margaret Mead, Jean Rouch, Sembène Ousmane, Robert Gardner, Richard Leacock, and others. Films will be compared to one another and to written ethnographies. (No prerequisites.) Area B

Anthropology E-105a *History of Anthropology

Joan T. Mark, Ph.D., Research Fellow in the History of Anthropology, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

A survey of the development of institutions, methods, and theory in anthropology with emphasis on events in the United States, Great Britain, France and Germany from 1800 to the present. (No prerequisites.) Area B

Arabic

Arabic E-Aab *Elementary Arabic

Wilson B. Bishai, Ph.D., Senior Lecturer on Arabic, Harvard University. Through-Year. (Sept. 18) Monday and Wednesday, 7:30-9:30 p.m. 8 units. Credit and non-credit students: \$180. (Additional \$25 fee for computer use is required.) Sever Hall 19.

The course covers Arabic phonology and system of writing, morphology and syntax including the ten conjugations, a vocabulary of about 400 words, and translation exercises to and from the target language. Newly developed computerized Arabic drills will be used.

Arabic E-237d *Advanced Tutorial in Spoken Arabic

Wheeler M. Thackston, Jr., Ph.D., Assistant Professor of Persian, Harvard University. Through-Year. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$80. (Additional \$10 language laboratory fee is optional.) Sever Hall 19.

(Prerequisite: Arabic E-237c or equivalent with permission of instructor.)

Archaeology

Anthropology E-126c (Extension Workshop) *Reconstructing an Ancient Society:

The Dark Age of the Ancient World (c. 1500 B.C.) in the Light of New Evidence
William L. Moran, Ph.D., Professor of Assyriology, Harvard University, and members of the Semitic Museum staff. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Semitic Museum, 6 Divinity Avenue, Cambridge.

This workshop will feature a team approach to the analysis of archaeological evidence (especially Glyptic material) for trade routes and imperial interrelationships in the "Dark Age" of antiquity.

Candidates for the workshop must be interviewed beforehand. Please call 495-4631 in December or January for an appointment. Preference will be given to those students who can bring to the workshop archaeological experience and/or technical training (photography, draughtsmanship, etc.).

Area B

Anthropology E-142a *The Archaeology of the Holy Land, I

Carney E.S. Gavin, Ph.D., Curator of Near Eastern Art and Archaeology in the Semitic Museum, Harvard University, and Gary Pratico of the Museum staff. Fall Term. (Sept. 20) Wednesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Sever Hall 29.

A comprehensive survey of the material evidence for Biblical peoples, with special attention to new discoveries and problems of method. Topics to be covered: the historical geography of the Near East; the evolution of present-day stratigraphic excavation techniques; ceramic chronology and typology; an overview of Palestinian cultures from the earliest times through the Bronze Age; and the Age of the Patriarchs in the light of recent investigations.

Area B

Anthropology E-142b *The Archaeology of the Holy Land, II

Carney E.S. Gavin, Ph.D., Curator of Near Eastern Art and Archaeology in the Semitic Museum, Harvard University, and Gary Pratico of the Museum staff. Spring Term. (Jan. 31) Wednesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Sever Hall 29.

The Late Bronze and Early Iron Age cultures will be considered in regard to evidence for the Exodus, Covenant, settlement of Canaan and the formation of the United Monarchy.

Area B

Astronomy

Astronomy E-5 The Solar System

Don A. Lautman, Ph.D., Associate of the Harvard College Observatory, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Observatory, Garden Street, Cambridge.

Time and the seasons. Ancient interpretations of the motions of planets and satellites. The Copernican Revolution and the laws of Kepler and Newton. The nature of the planets, the lesser bodies of the solar system and of the interplanetary medium. The origin of the solar system. Scientific results of recent manned and unmanned expeditions such as Apollo, Mariner, and Viking. There will be some observation sessions using the telescopes at the Harvard College Observatory.

Area A

Astronomy E-6 Astrophysics and the Universe

Don A. Lautman, Ph.D., Associate of the Harvard College Observatory, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Observatory, Garden Street, Cambridge.

The application of physical principles to deduce the nature of the sun, stars, and interstellar matter. The structure of star clusters, the Milky Way, and other galaxies will be considered. Theories concerning the origin and evolution of stars and the universe will be discussed, and an attempt will be made to explain the probable nature of such puzzling objects as quasars, pulsars, and black holes. There will be some observation sessions using the telescopes at the Harvard College Observatory.

Area A

Astronomy E-14 Modern Stellar Astrophysics

Brian P. Flannery, Ph.D., Assistant Professor of Astronomy, Harvard University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Observatory Classroom, 60 Garden Street, Cambridge.

This course will focus on the role of stars in modern astrophysics: how the properties of stars are determined from measurements spanning a wide range of wavelengths; how the properties can be understood in terms of basic physics; and how the knowledge of stars is incorporated into an overall picture of an evolving universe. A goal of the course will be to weave into a whole fabric topics such as the solar neutrino experiment, red giants, white dwarfs, supernovae, pulsars, black holes, binary X-ray sources, nucleosynthesis, the Big Bang cosmology, and the origin of life in the universe. (*Prerequisites:* A working knowledge of algebra and geometry is essential. An acquaintance with elementary physics would be helpful but is not required.)

Area A

Astronomy E-14c (Lowell Institute Course) Life in the Universe

John M. Carr, B.S., Director of the Charles Hayden Planetarium, Museum of Science, and staff. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 2 units. Credit students only: \$40. Auditorium, Museum of Science.

Prominent astronomers will present the latest view of our dynamic, turbulent universe, covering, among other topics, the origins of the universe, cosmochemistry, exobiology, evolution of intelligence, communications and colonization. In a discussion session immediately following each lecture, course members will discuss techniques, theories and implications presented by the lecturer. Collateral readings will provide background material, and a term paper will be assigned. This course is presented with the cooperation of the Center for Astrophysics, Cambridge, Massachusetts.

Area A

Biology

Biology E-2a General Zoology: Animal Physiology

Donald F. Hoyt, Ph.D., Research Fellow in Zoology, Museum of Comparative Zoology, Harvard University. Fall Term. (Sept. 21) Thursday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

Area A

Biology E-2b Heredity and Evolution

Donald F. Hoyt, Ph.D., Research Fellow in Zoology, Museum of Comparative Zoology, Harvard University. Spring Term. (Feb. 1) Thursday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

Laboratory enrollment in these two courses is limited. The purpose of these courses is to provide a basic understanding of the principles of animal biology. The courses consist of lectures, laboratory exercises, and visits to the Museum of Comparative Zoology at Harvard. A series of four one-term courses covers the general field of zoology, and the courses planned for 1979-80 will deal with invertebrate and vertebrate animals. No previous knowledge of biology is required, and the treatment of the subject is so arranged that students may enroll in any one-term course without the others.

Area A

Biology E-17 Evolutionary Biology

Thomas J. Givnish, Ph.D., Assistant Professor of Biology, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Emerson Hall 210.

This course will cover the factors that cause genetic change in populations and the evolutionary consequences of such change. Topics include natural selection, population genetics, mating systems, speciation, adaptive radiation, and evolutionary convergence. Emphasis on genetic, ecological, and evolutionary factors related to the adaptation of populations to their environment, with illustrative material drawn from the natural history of island biotas, social insects, leks, mimicry rings, flightless birds, tree form, etc. (*Prerequisites:* Algebra and rudiments of differential calculus.) Area A

Biology E-18a General Botany: Review of the Plant Kingdom

(Non-Vascular Plants)

Elizabeth A. Shaw, Dr. Phil., Bibliographer and Research Taxonomist in the Gray Herbarium, Harvard University. Fall Term. (Sept. 19) Tuesday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

A survey of the biology, morphology and classification of non-vascular plants (i.e., the various groups of algae, the fungi, liverworts and mosses). The purpose of these "survey" courses is to give an appreciation and understanding of the most important groups of plants. The courses consist of lectures, laboratory work, and, whenever possible, study of plants in the field. Although these are part of a series of four one-term courses, each course is complete in itself; any one of the courses can be taken without the others. The courses planned for 1979-80 will deal with genetics and evolution in the Fall Term, and the morphology, anatomy, and physiology of plants in the Spring Term. Area A

Biology E-18b General Botany: Review of the Plant Kingdom (Vascular Plants)

Elizabeth A. Shaw, Dr. Phil., Bibliographer and Research Taxonomist in the Gray Herbarium, Harvard University. Spring Term. (Jan. 30) Tuesday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

A survey of the biology, morphology and classification of vascular plants (i.e., vascular cryptogams, gymnosperms, and angiosperms). The purpose of these "survey" courses is to give an appreciation and understanding of the most important groups of plants. The courses consist of lectures, laboratory work, and whenever possible, study of plants in the field. Area A

Biology E-19c Introductory Ecology

Kenneth P. Sebens, Ph.D., Assistant Professor of Biology, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Sever Hall 23.

An introduction to the concepts and theory behind the modern approach to ecology as a basic science. The course will cover population growth and dynamics, interactions between competing species, predators and prey, plants and herbivores. Interactions of organisms with their physical environment and interactions at the community level will be discussed. Recent theories of community structure and evolutionary approaches to ecological theory will also be included. (*Prerequisite:* An introductory course in biology.) Area A



Biology E-32c *The Development of Modern Microbiology

David Dressler, Ph.D., Associate Professor of Biochemistry, Associate Professor of Biology, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 30.

The development of modern microbiology and the origin of the germ theory of disease. This course will begin with the studies of Pasteur and Koch in the 19th century which founded the science of microbiology and further showed that many diseases are caused by microorganisms. Selected examples of pathogenic bacteria will be considered in depth as case studies of the microbiological world. The course then will develop a treatment of viruses and finally the development of modern immunology by which the human body counters the action of pathogenic microbes. Although the course is self-contained, a basic elementary knowledge of biology and chemistry is desirable as background.

Area A

Biology E-104c *Foods and Beverages—their Botany, Chemistry and Role in Human Affairs

Richard E. Schultes, Ph.D., Paul C. Mangelsdorf Professor of Natural Science, Harvard University, and Tony Swain, Ph.D., Professor of Biology, Boston University. Fall Term. (Sept. 19) Tuesday, 6:30-8:30 p.m. 4 units. Credit students \$90; non-credit \$60. Nash Lecture Hall, Botanical Museum, Oxford Street.

This course will consider the foods and beverages that man has used on a worldwide basis and throughout history; the importance to modern societies of a search for new foods from the plant kingdom; the biology, origin, development and improvement of the major food and beverage plants; chemical constituents of foods and beverages and the modern practice of using additives; the biogenetic origin of important nutritional constituents; and other pertinent aspects. (*Prerequisites:* A basic course in botany and in organic chemistry.)

Area A

Biology E-142 *Lichenology

Martha A. Sherwood, Ph.D., Cryptogamic Botanist, Farlow Herbarium, Harvard University. Fall Term. (Sept. 20) Wednesday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

An introduction to the biology, taxonomy, and ecology of lichenized fungi. Classes consist of a weekly one-hour lecture followed by a two-hour laboratory-demonstration period emphasizing identification techniques and characters of major lichen groups. Students are encouraged to make personal lichen collections and to participate in compiling a local checklist. Area A

Biology E-143 *Introduction to Fungi

Donald H. Pfister, Ph.D., Associate Professor of Biology, Harvard University. Spring Term. (Jan. 29) Monday, 6:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Main Lecture Room, Biological Laboratories.

Introduction to morphology, classification, evolution and diversity of fungi. Attention will be given to biological phenomena unique to fungi. Emphasis on identification of fungi native to the Northeastern United States. Area A

Biology E-145 *Biology of Birds

Raymond A. Paynter, Jr., Ph.D., Senior Lecturer on Biology, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Room 101, Museum of Comparative Zoology.

An introduction to the structure, physiology, evolution, ethology, and natural history of birds. Term paper required. (*Prerequisite:* A college course in zoology.)

Area A

Cape Verdean Crioulo

See Romance Languages.

Celtic

Celtic E-132a *Introduction to Modern Irish

Kenneth E. Nilson, Ph.D., Lecturer in English, Tufts University. Through-Year. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students only: \$90, including language laboratory fee. Sever Hall 13.

This course will introduce students to the fundamentals of the Irish language, with equal stress on reading, writing and speaking. Students will be expected to make regular use of tapes available in the language laboratory. Emphasis will be on Irish as it is currently spoken in the Gaeltacht (Irish-speaking districts) with mention of dialect differences as well as of folk custom and belief. Students will learn a number of folk songs and proverbs and will read several short folktales. (*No prerequisites.*)

Celtic E-132b *Intermediate Modern Irish

Kenneth E. Nilson, Ph.D., Lecturer in English, Tufts University. Through-Year. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students only: \$90, including language laboratory fee. Sever Hall 14.

Although primarily intended for those students who have completed Celtic E-132a, this course is open to others who have acquired the fundamentals of the Irish language. Additional practice in reading, writing, and speaking. Students will be expected to make regular use of tapes available in the language laboratory. Emphasis will be on Irish as it is currently spoken in the Gaeltacht (Irish-speaking districts).

Chemistry

Chemistry E-1 Elementary Chemistry

Ronald E. Vanelli, Ph.D., Senior Lecturer on Chemistry, Harvard University. Through-Year. (Sept. 19) Tuesday and Thursday, 5:30-7:00 p.m. Section meetings (Fall term only): Tuesday or Thursday, 7:00-8:00 p.m. Laboratory (Spring Term only): Monday, 5:30-8:30 p.m. or Thursday, 7:00-10:00 p.m. 8 units. Credit students \$180; non-credit \$120. Science Center B.

The principles involved in the formation and interaction of the chemical substances will be considered, primarily in terms of the structure of matter and the energy changes which accompany such interactions. (*Prerequisite*: Mathematics through algebra.)

Area A

Chemistry E-20 *Organic Chemistry

Ludmila Birladeanu, Ph.D., Research Associate in Chemistry, Harvard University. Through-Year. (Sept. 18) Monday and Thursday, 5:30-7:00 p.m. 8 units. Credit students only: \$180. Mallinckrodt MB-8.

Structural theory, chemical transformations of aliphatic and aromatic compounds, elementary mechanistic theory, determination of structure by classical and spectroscopic means, reactive intermediates (carbonium ions, carbanions, free radicals, carbenes), carbohydrates, amino acids and peptides. Heterocyclic compounds. Synthesis. (*Prerequisite*: Two semesters of general chemistry or equivalent.)

Area A

Chinese

Chinese E-Aab **Intensive Elementary Chinese

Raymond D. Lum, M.L.S., Librarian, Harvard-Yenching Library, Harvard University. Through-Year. (Sept. 18) Monday and Thursday, 5:30-7:00 p.m. 8 units. Credit and non-credit students: \$190, including language laboratory fee. Sever Hall 7.

Introduction to modern Mandarin: pronunciation, grammar, conversation, reading and writing. (Additional language laboratory sessions will be required.)

Chinese E-102a *Intermediate Modern Chinese

Jan L. Hagman, M.A., F.K. Through-Year. (Sept. 18) Monday, 5:30-7:00 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 20.

A continuation of Elementary Modern Chinese. Conversation, composition, and readings in modern Chinese texts. (*Prerequisite*: Successful completion of Elementary Modern Chinese, or equivalent.)

Classical Art and Archaeology

Classical Archaeology E-136a *Introduction to Greek Art and Archaeology

David G. Mitten, Ph.D., James Loeb Professor of Classical Art and Archaeology, Harvard University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

An intensive survey of the art and material culture of the Greeks from the Bronze Age through early Roman times, concentrating on the centuries 800-300 B.C. Architecture, sculpture, painting, ceramics and minor arts will be considered as evidence for the nature of Greek society, religion, and the developing Greek view of themselves and

their world. Archaeological excavation and the nature of archaeological evidence in the study of Greek culture will also be discussed, concentrating upon recent German, American and Greek work in Athens, Corinth and the Peloponnesus. No prerequisite, but any work in classical languages, history, art or archaeology, or travel in Mediterranean lands will be helpful.

Area C

Classical Archaeology E-141 *Greek Sculpture

David G. Mitten, Ph.D., James Loeb Professor of Classical Art and Archaeology, Harvard University. Spring Term. (Jan. 31) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

A survey of Greek sculpture, free-standing and architectural, from the Bronze Age through the end of the Hellenistic period. Lectures will concentrate on surviving originals, although the works and styles of major sculptors such as Phidias will be examined in detail. The beginnings and development of major types of statues (cult statues, votive offerings, historical monuments, portraits, decorative statuary) and the techniques of sculpture in stone and bronze will also be discussed. While there will be no prerequisites, previous work in a classical language, history, art or archaeology (such as Classical Archaeology E-136a), or travel in Mediterranean lands will be helpful.

Area C

See also **Fine Arts**.

East Asian Languages and Civilizations

See **Chinese, Japanese, and Fine Arts**.

Economics

Economics E-10a Principles of Economics

Dani Kaufmann, B.A., Teaching Fellow in Economics, Harvard University. Spring Term. (Feb. 1) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

This course will introduce concepts in economic analysis valuable for understanding the economic aspects of contemporary life. It is designed for those with no previous background in economics.

Economics E-1010a *Microeconomic Theory

Kabir U. Ahmad, Ph.D., Research Associate in Economics, Harvard University. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

The theory of individual decision units and markets in the economy will be examined. (*Prerequisite*: a basic course in economics, similar to Economics E-10a.)

Area B

Economics E-1010b *Macroeconomic Theory

Kabir U. Ahmad, Ph.D., Research Associate in Economics, Harvard University. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

The theory of determination of national income and employment will be considered, as well as related issues of economic growth and fluctuation. (*Prerequisite*: a basic course in economics, similar to Economics E-10a.)

Area B

Economics E-1298c *Contemporary International Economic Relations

Karel Holbik, Ph.D., Chief, Section for Development of Financial Institutions, United Nations. Fall Term. (Sept. 23) Saturday, 10:00 a.m.-12 noon. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

After a brief introduction to the theory of international economics and finance, the course will concentrate on the analysis of recent international economic issues and problems. While United States perspectives will be emphasized, such topics as international investment, monetary organization, relations between East and West, the new role of the Third World, etc. will also be considered. Area B

Economics E-1415 *The Politics and Economics of Regulation

Paul F. Levy, M.C.P., Commissioner, Department of Utilities, Commonwealth of Massachusetts. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

This course will examine the latest trends and issues in public regulation of utility companies and common carriers from the point of view of a state regulatory agency. While reviewing the economic rationale for various regulatory policies, the course will also show how the political environment affects regulatory decisions. Examples of issues to be covered include electricity rate reform (flat rates, peak period pricing, life-line rates, etc.), the effect of competition on regulation of the Telephone Company, and the desirability of regulation of common carriers (furniture movers, towing companies, etc.). Area B

Economics E-1500 *Accounting

Leonard Kopelman, J.D., Preceptor in Expository Writing, Harvard University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

Principles of accounting, interpretation of financial statements and application of accounting in the various fields of business economics. Management accounting and taxation and their relationship to the theory of the firm are also examined. Area B

Economics E-1500 *Accounting

Leonard Kopelman, J.D., Preceptor in Expository Writing, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit Students \$80; non-credit \$50. Emerson Hall 210. Area B

Please see description of previous course listing.

Education

Education E-A-112 *Education and Society

Barbara M. Brenzel, Ed.D., Assistant Professor of Education, Wellesley College. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Harvard Hall 102.

This course will tie together theory and practice for those interested in understanding the complexities of modern education. It will examine the aspects of contemporary educational processes. Various theories of education will be discussed, i.e., philosophical, historical, political and sociological. The theoretical framework offered in the classroom will be complemented by practical field experience within a school setting. If desired, placement will be arranged through the Cambridge School Volunteers, Inc. after the course begins. Area B

Education E-A-431 *Classics of Progressive Child-Centered Education

Joseph Featherstone, A.B., Instructor in Education, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

This course will consist of readings, past and present, from the literature on good teaching practice. There will be readings in classics of the progressive and child-centered tradition, from John Dewey and Susan Isaacs to Anna Freud and George Dennison.

Area B

English Composition

Of the writing workshops described below, *only* the following may be used in 1978-79 to satisfy the Extension degree requirement in English Composition: The Craft of Writing, Exposition and Experience, The Presentation of Experience, Fundamentals of Grammar and Composition, Prose Style Workshop, and Effective Writing (Expository Writing E-11a, E-12d, E-12e, E-17a, E-17b, and E-17m respectively).

Expository Writing E-11a The Craft of Writing

Deane W. Lord, M.A., Director of Information, Harvard University. Through-Year. (Sept. 18) Monday, 5:30-7:00 p.m. 4 units. Credit and non-credit students: \$100. Harvard Hall 201.

The aims of this course are to explore the craft of writing through class discussions and frequent written exercises. Particular attention will be given to grammar, form, exposition, style, and tone.

Expository Writing E-11c Fiction Skills Workshop

Anne Bernays, B.A., Author. Fall Term. (Sept. 19) Tuesday, 2:00-4:00 p.m. 4 units. Credit students only: \$150. 16 Francis Avenue, Cambridge.

A workshop for writers who wish to improve their skills in fiction. They will be asked to write 700-800 words a week and to keep a daily journal. Assignments will be geared to sharpening dialogue, description, narrative prose and psychological acuity, and to developing each writer's individual voice and vision.

Expository Writing E-11d Advanced Fiction Workshop

Anne Bernays, B.A., Author. Spring Term. (Jan. 30) Tuesday, 2:00-4:00 p.m. 4 units. Credit students only: \$150. 16 Francis Avenue, Cambridge.

A workshop for advanced writers who want to publish. Emphasis will be on the use and transformation of autobiographical material—and other personal sources—into fiction. To develop the faculty to think like writers along with mastering techniques of the craft, students will be asked to keep daily journals and do assignments involving various fictional modes. They will read their work aloud and open it to discussion and criticism. Two major assignments: the "autobiography" of another person; the opening section of a novel.

Expository Writing E-11e Poetry Workshop

Martin L. Robbins, Ph.D. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Emerson Hall 104.

This course will attempt to help the student find a personal voice by studying the traditional handling of the line, stanza forms, and various approaches to meter. Style analysis of a model chosen by each student to study how and why good poems work. Weekly classroom analysis of student work; poetry reading by class at end of term, and "little magazine." Students admitted on basis of work submitted to instructor before opening meeting of class.

Expository Writing E-12d Exposition and Experience

Sanford Kaye, M.A., Instructor in English, Tufts University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Sever Hall 21.

A course in the development of basic expository skills through presentation of the details of everyday life. Frequent writing assignments involving the assembly of such details as evidence for the conclusions, beliefs, and assumptions that one makes about relationships, family, work, and life-long quests. Present time, as well as the remembered past, and possibilities for the future will serve as the basis for writing sixty pages of prose during the term. Works by Baldwin, Housman, Lowell, Orwell, Proust, and Salinger will be read.

Expository Writing E-12e The Presentation of Experience

Sanford Kaye, M.A., Instructor in English, Tufts University. Spring Term. (Jan 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Sever Hall 21.

A continuation of Expository Writing E-12d with an emphasis on projects involving writing and source material such as diaries, journalistic accounts, and reports, as well as other media: photographs, slides, tapes, and videotapes. Some of the projects developed in this course will be prepared for publication. Readings will include works by Agee, Orwell, and Salinger.

Expository Writing E-14b Journalism Workshop

John M. Langone, B.S., Lecturer, Department of Social and Preventive Medicine, Harvard Medical School (also Medical Editor, *Boston Herald-American*). Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Lehman Hall B-2.

This course will deal with basic journalistic techniques, with the emphasis on clear and effective writing. Students will write news stories, feature articles and editorials, and will be introduced to interviewing techniques, sources of information, meeting coverage, press conferences and journalistic ethics. (No prerequisites.)

Expository Writing E-14c An Introduction to Journalism

Deane W. Lord, M.A., Director of Information, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 3 units. Credit students \$60; non-credit \$35. Sever Hall 18.

This course will introduce the beginner to journalistic skills basic to newspapers, magazines, and freelance reporting. Well-known journalists from different publications will discuss the straight news story, the wire service story, the feature, science and education stories, the editorial and the long feature. There will be five assignments and five workshops to discuss and evaluate stories.

Expository Writing E-14d Advanced Journalism Workshop

John M. Langone, B.S., Lecturer, Department of Social and Preventive Medicine, Harvard Medical School (also Medical Editor, *Boston Herald American*). Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Lehman Hall B-2.

This course is designed for those who have successfully completed the basic Journalism Workshop, or who have had some media writing experience and/or training. Emphasis will be on newspaper and magazine feature article writing and on specialized areas of reporting and writing. Students will write a series of articles on topics selected by the instructor and each must incorporate the journalistic elements of observation, interview, source material and interpretation.

Expository Writing E-17a Fundamentals of Grammar and Composition

C. Michael Curtis, A.B., Associate Editor, *The Atlantic Monthly*. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Emerson Hall 104.

A review of the fundamentals of grammar and the elements of composition. Discussion of sentence structure, paragraphing, transition, outlines, and other principles of exposition. Written assignments.

Expository Writing E-17b Prose Style Workshop

C. Michael Curtis, A.B., Associate Editor, *The Atlantic Monthly*. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Emerson Hall 104.

Theory and practice of English prose style through selected readings, class discussion and regular written assignments.

Expository Writing E-17m Effective Writing

Martin L. Robbins, Ph.D. Spring Term. (Jan 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students only: \$150. Sever Hall A.

Weekly writing assignments to develop greater clarity, economy and emphasis. Short expository, descriptive papers; longer papers on scholarly, philosophical, feature topics. Students will learn to edit and rewrite their own papers for emphasis and interest. In-class writing (impromptu) and editing (on wordiness, jargon, cliché). Individual conferences with instructor.

English for Foreign Students

English E-Ea Conversational Practicum for Foreign Students

Thomas M. Ormond, Jr., M.A., and assistants. Fall Term and Spring Term. (*Placement Meetings*: Sept. 18 and 19; Jan. 29 and 30), 5:00-7:00 p.m. Non-credit students only: \$50 per term. Sever Hall 4.

This course offers small conversational sections on the intermediate and advanced levels for non-native speakers of English who wish to build skill and confidence in the spoken language. Students will have the opportunity to practice both formal and informal English through a variety of activities ranging from casual discussions to debates and short speeches.

Each section will meet for 2½ hours per week in two meetings, Monday and Wednesday or Tuesday and Thursday. Section assignments, times and places will be determined on the basis of the placement interview. Students enrolling late must contact the instructor. Enrollment may be limited.

English E-Eb Intermediate Practice Course for Foreign Students

Lawrence G. Jones, Ph.D., Professor of Slavic and Eastern Languages, Boston College, and assistants. Fall and Spring Terms. (Sept. 23 and Feb. 3) Saturday, 9:00 a.m.-12:30 p.m. Non-credit students only: \$100 per term. Emerson Hall 101.

A rapid review of the major points of English grammar, supplemented by special drill sections for pronunciation and listening, grammar exercises, reading and writing skills, and practical skills. Optional language laboratory work is also available. Students on an advanced level who are enrolling in the course a second time are placed in a special section. Supplementary conversation available through English E-Ea.

English E-Ee Expository Writing for Foreign Students

Michael J. Connolly, Ph.D., Associate Professor of Slavic and Eastern Languages, Boston College, and assistants. Fall Term. (Sept. 18) Monday, 5:30-8:30 p.m. 3 units. Credit and non-credit students: \$60. Boylston Hall 10.

The reading and explication of difficult English prose selections; considerations of grammatical refinements in writing; imitation of various expository styles in short weekly papers; discussion and analysis. A course in reading and composition designed for non-native speakers with advanced English proficiency.

English E-Ef Advanced Writing for Foreign Students

Michael J. Connolly, Ph.D., Associate Professor of Slavic and Eastern Languages, Boston College, and assistants. Spring Term. (Jan. 29) Monday, 5:30-8:30 p.m. 3 units. Credit and non-credit students: \$60. Boylston Hall 10.

The reading and explication of difficult English prose and poetry selections; consideration of grammar, genre, and style in writing; short weekly papers in descriptive and narrative styles; discussion and analysis. This course, designed primarily for students with advanced English proficiency, is a sequel to English E-Ee, although new students are welcome, and the sequence may be reversed.

Fine Arts

Fine Arts E-13a Survey of Western Art History, I

Beverly L. Brown, Ph.D., Assistant Professor of Art, Brown University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105. Area C

Fine Arts E-13b Survey of Western Art History, II

Beverly L. Brown, Ph.D., Assistant Professor of Art, Brown University. Spring Term. (Feb. 1) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

The course sequence Fine Arts E-13a and E-13b will cover the development of painting, architecture and sculpture in the Western world. The courses are intended to increase the student's visual perception of works of art, and to encourage investigation of the means of artistic expression as well as provide an historical perspective for an understanding of the achievements of Western man. Special emphasis will be given to works of art in the Greater Boston area.

Fine Arts E-13a: From Ancient times through the Middle Ages. *Fine Arts E-13b:* From the Renaissance to the present. Each course may be taken independently. Area C

Fine Arts E-93r *Iconography: Images of Political Power

Scott J. Schaefer, Ph.D., Curator of European Painting, Museum of Fine Arts. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

This course will examine in detail the nature of iconography (the meaning of images), specifically concentrating on the imagery of politics and power. The propagandistic value of art, as cultivated by the power elite, both religious and secular, will be traced from antiquity to the present. The dynamic relationship between power and art will be studied by focusing on the iconography of major historical periods. (*Prerequisite:* At least one previous fine arts course.) Area C

Fine Arts E-148 *Medieval Italy: Architecture and the Arts

Robert P. Bergman, Ph.D., Associate Professor of Fine Arts, Harvard University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

This course will emphasize regional variations as seen in relation to their political and cultural contexts. A major issue explored will be the interaction of indigenous artistic impulses and influences from abroad. Area C

Fine Arts E-166c *History of European and North American Landscape Painting
Julia S. Phelps, Ph.D. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Boylston Hall Auditorium.

The course will cover the developments in landscape painting from the end of the Middle Ages to the present. The roles of nature, space concepts, the poetic imagination, and religious feeling will be emphasized as well as the technical aspects and the history of styles. Individuals such as Dürer, Ruysdael, Turner, Monet; schools such as the "Danube," the Hudson River, and the Canadian Group of Seven will be included.

Area C

Fine Arts E-169c *The Nineteenth Century: Classicism and Romanticism

Nan B. Freeman, Ph.D., Instructor in Art History, School of the Museum of Fine Arts. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Fogg Art Museum, Norton Lecture Room.

This course will cover painting and sculpture of the first half of the 19th century, focusing on the major movements of the period, Classicism and Romanticism. Developments throughout Europe will be presented, with emphasis on the contributions of leading figures such as David, Fredrich, and Delacroix. Stylistic and iconographical manifestations in art will be studied in relation to the social contexts in which they emerge and to the personalities of their authors. Visits to Boston museums offered.

Area C

Fine Arts E-170c *The Nineteenth Century: Impressionism and Post-Impressionism

Nan B. Freeman, Ph.D., Instructor in Art History, School of the Museum of Fine Arts. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Fogg Art Museum, Norton Lecture Room.

A continuation of the study begun in Fine Arts E-169c, this course will cover the late 19th century, focusing on the major stylistic development known as Impressionism. The background out of which it sprang (including French and English landscape painting and other elements in addition to Romanticism) will be presented, and the characteristics of Impressionist painting will be studied in detail in the work of its major proponents. The rich cluster of Post-Impressionist manifestations (especially the work of Gauguin, van Gogh, Cézanne, and Seurat) will be examined in its great breadth and multiplicity.

Area C

Fine Arts E-171 *Modern Art

Ivan Galantic, Ph.D., Associate Professor of Fine Arts, Tufts University. Spring Term. (Jan 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

Beginning with Post-Impressionism, the course will cover the main 20th century movements including Fauvism, Cubism, Expressionism, Surrealism, Abstract Expressionism, and the various experimental developments since World War II. Area C

Fine Arts E-184e *Themes in the History of Chinese Painting

John Hay, M.A., Assistant Professor in Chinese Art History, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

The course will be an introduction to fundamental facts and values in painting in traditional China. It will explore the distinctive nature and role of painting in



Chinese history and examine the criteria for appreciating a Chinese painting in its traditional context. Area C

Fine Arts E-185c (Extension Seminar) *Chinese Art

Susan H. Bush, Ph.D., Research Associate in East Asian Studies, Harvard University. Spring Term. (Jan 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Lehman Hall B-2.

This seminar will consider the main types of Chinese art: Neolithic pottery, Shang and Chou bronze vessels and jades, Han funerary sculpture and pictorial decoration, Buddhist images through T'ang, and later scroll paintings. Early material will be discussed in the context of relevant archaeological discoveries, and secular painting traditions will be interpreted by contemporary art theory. Museum trips will be arranged. Area C

Ext. Sem. E-1130 (Extension Seminar) *Paper Media Workshop

James R. Chisholm, Jr., B.S., Instructor in Drawing, Painting and Design, Museum of Fine Arts. Fall Term. (Sept. 21) Thursday, 10:15 a.m.-12:15 p.m. 4 units. Credit students only: \$175. (Note: Tuition does not include art supplies.) Room 300, Museum of Fine Arts, Boston.

This workshop will emphasize the examination of making and placing meaningful marks on paper, from both traditional and contemporary viewpoints. Silver-point, brush drawing, and water color will be some of the traditional techniques; more recent developments such as staining and *frottage* (rubbing) will be considered as well. Traditional subjects as well as personal and non-objective approaches will be featured. A semester project required as well as weekly assignments. Where appropriate, gallery visits. (Prerequisite: Some background in drawing or a previous Extension Workshop in Watercolor or Mixed Media desirable.) Area C

Ext. Sem. E-1200 (Extension Seminar) *Drawing Workshop, Beginning and Intermediate

James R. Chisholm, Jr., B.S., Instructor in Drawing, Painting and Design, Museum of Fine Arts. Spring Term. (Feb. 1) Thursday, 10:15 a.m.-12:15 p.m. 4 units. Credit students only: \$175. (Note: Tuition does not include art supplies.) Room 300, Museum of Fine Arts, Boston.

This workshop is an examination of the nature of drawing considered from the standpoint of its underlying structure. The exercises are aimed at developing the

ability to "see" and conceive a subject and then transpose, by placing marks on paper, the light and pictorial space. At the onset of the course, problems concerned with line, form, shading and perspective will be examined. Thereafter, the class will undertake a series of traditional drawing problems involving still life, portrait, interior and landscape. In all problems, design is stressed and the use of various media is encouraged. Area C

See also **Classical Art and Archaeology** and **Visual and Environmental Studies**

French

See **Romance Languages**.

Geography

Geography E-108 *The Geography of New England

George K. Lewis, Ph.D., Professor of Geography, Boston University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

A description of those geographical features that have given the six New England states their distinctive regional character. Separate treatment of geomorphology, geologic history, and the regional development of soils and natural vegetation. The settlement of New England is traced against a thorough review of resources, land-use patterns, and the forces of urbanization and industrialization. Current regional problems discussed in the light of national trends. Area B

Geography E-140 *Geography of Economic Systems

Brian J.L. Berry, Ph.D., Williams Professor of City and Regional Planning and Professor of Sociology, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

This course will deal with world economic geography from a systems perspective. The basic issues of populations and resources will be addressed in their contemporary geopolitical setting, and a framework proposed for analysis and understanding. Area B

Geography E-145 *Contemporary Urban Ecology

Brian J.L. Berry, Ph.D., Williams Professor of City and Regional Planning and Professor of Sociology, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

The social and spatial organization of evolving urban regions will be examined from the ecological perspective that has served in recent years to unify research and writing in urban sociology and urban geography. Area B

Geology

Geology E-16a Continents in Motion

John Haller, Dr. Phil., Professor of Geology, Harvard University. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

An introduction to global tectonics and its revolutionary development, which has opened new avenues for reassessing the century-old debate about the origin and evolution of continents and oceans. Outline of the geological and geophysical aspects of mountain building, crustal rifting, continental drift, sea-floor spreading and plate tectonics. (*Prerequisite:* A high school physics course.) Area A

Geology E-16c Introductory Geology

John B. Southard, Ph.D., Associate Professor of Geology, Massachusetts Institute of Technology. Fall Term. (Sept. 21) Thursday, 6:00-9:00 p.m. 4 units. Credit students \$80; non-credit \$50. Van Serg Building.

This introductory course will survey the most important rock-forming minerals, and describe major rock types and rock-forming processes. The geologic time scale, the nature of the fossil record, and how rocks are dated will be covered. Among other topics: physical and chemical processes at work on the earth's surface, large scale structure of the earth; new concepts of global plate tectonics; and the evolution of the continents and ocean basins. Some laboratory work; one or two informal nonrequired field trips. (*Prerequisite:* Introductory courses in physics or chemistry on a high school or college level desirable, but not essential.) Area A

Geology E-111a *Geology of North America

John Haller, Dr. Phil., Professor of Geology, Harvard University. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

An introduction to the evolution of the North American continent with emphasis on the structure and history of the scenic American West, its mountain ranges, volcanoes, earthquake belts and great faults. Review of Gulf Coast, Appalachian Mountains, Arctic Canada, and Greenland. Area A

Germanic Languages and Literatures

The German Language program is under the direction of Charles P. Lutcavage, Ph.D., Preceptor in German, and Acting Coordinator of Language Instruction in Germanic Languages, Harvard University.

Sections for courses will normally be limited to 40 students. There will be multiple sections where numbers warrant it.

German E-Aa Elementary German

Joanne M. Peterson, B.A. Through-Year. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 10.

For students with little or no previous instruction in German. The course is designed to develop listening comprehension, speaking proficiency, and reading skills. Instruction will include grammar drills, review of readings, and laboratory exercises. *Texts:* *Deutsch heute*, ed. Moeller, Liedloff; student workbook. Text will be supplemented by additional readings from modern authors.

German E-Ab Second-Year German

(Instructor to be announced.) Through-Year. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 29.

For students who have had one or two years of German. This intermediate course will emphasize comprehension of written and spoken German, composition, and speaking proficiency. Instruction will include grammar review drills, discussions,

short compositions and drills based on the readings, and language laboratory exercises. *Textbook: German in Review*, Sparks and Vail (Harcourt, Brace and World). Readings will explore major literary trends in the 20th century beginning with turn-of-the-century Vienna (Freud, Schnitzler, Musil), moving to the Weimar Republic in Germany (Kafka, Brecht, the Expressionists), and ending with post-war and contemporary literature in Austria, Switzerland, and the two Germanys.

German E-A Intensive Elementary German, Part I

Ellen J. Glew, M.A., Teaching Fellow in German, Harvard University. Fall Term. (Sept. 18) Monday and Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 11.

For students with little or no previous experience in German. The course is designed to develop listening comprehension, speaking proficiency, and reading skills at a rapid pace. Instruction will include conversation, grammar drills, reading exercises, and laboratory work.

Texts: *Deutsch heute*, ed. Moeller, Liedloff; student workbook. Text will be supplemented by additional readings from such authors as Hesse, Kafka, Tucholsky, and Böll.

German E-B Intensive Elementary German, Part II

Ellen J. Glew, M.A., Teaching Fellow in German, Harvard University. Spring Term. (Jan. 29) Monday and Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 11.

A continuation of Intensive German, Part I. Students wishing to take the course without having completed the Fall Term must satisfy the instructor that they have taken the equivalent of Part I. Additional reading: Dürrenmatt, *Der Richter und sein Henker*, and one other modern prose work.

German E-180 *A Cultural History of Weimar Germany

Anna K. Kuhn, Ph.D., Preceptor in German, Harvard University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$80. Sever Hall 13.

The fifteen years of the Weimar Republic produced a cultural legacy of almost unsurpassed richness and variety. Expressionism, Modernism, the Bauhaus, and *Der blaue Reiter* are just a few of the innovations of the Weimar culture. Representative works in the novel, drama and cinema are covered; readings will include works by Kafka, Mann, Hesse, Brecht, Döblin, and Zuckmayer. Readings in English or German; lectures in English. Some discussion in German possible, depending on interests of class.

Area C

Government

Government E-20c Introduction to Comparative Politics

Joel S. Migdal, Ph.D., Associate Professor of Government, Harvard University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

This course will compare a number of analytic approaches that attempt to explain the emergence of different regimes. Looking at both Western states and the Third World countries, the analysis will focus on the dynamics of change in the creation of the modern state.

Area B

Government E-30 American National Government

Carroll F. Miles, Ph.D., Professor of Government, Simmons College. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

This course will deal with the theory and practice of our national government as revealed in the growth and development of the Presidency, the Congress and the Supreme Court. Special attention to the party system, the growth of the bureaucracy and major policy questions such as growth and possible regulation of science, and the making of foreign policy. Post-Watergate developments will be covered, and the case method will be emphasized in the study of constitutional law.

Area B

Government E-109 *Political Change and Political Order

Joel S. Migdal, Ph.D., Associate Professor of Government, Harvard University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

The politics of change in contemporary Africa, Asia, and Latin America. Problems of economic and political development, revolution and reform, democracy and dictatorship, national integration, neo-imperialism and dependency, economic growth and socio-economic equity.

Area B

Government E-115 *Politics and Government in the U.S.S.R.

Thane E. Gustafson, Ph.D., Assistant Professor of Government, Harvard University. Spring Term. (Feb. 1) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

Analysis of Soviet politics and policymaking. Begins with a discussion of the influence of the major events in Soviet history on the shape of the present system. Particular emphasis on the role of the party apparatus, its relation with the state, and the principal interest groups in Soviet society. Second part of the course covers major policy issues: religious and national minorities, science and technology, computers and management, problems of a consumer society, etc. Course will conclude with speculation about the further evolution of the system.

Area B

Government E-118 *The Government and Politics of Modern Japan

Terry MacDougall, Ph.D., Associate Professor of Government, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 8.

A brief summary of Japanese political development since 1868, followed by a more detailed analysis of the sources of political behavior, political institutions and processes, and domestic and foreign policy issues in contemporary Japan.

Area B

Government E-132 *The Right to Self-Determination

Dov Ronen, Ph.D., Research Fellow of the Center for International Affairs, Harvard University. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

For those interested in nationalistic movements, political history, and international law. The course will focus on various meanings of the term "self-determination" and the various types of groups which have used the term in recent history. For example, self-determination as expressed in United Nations and other official documents; in the French Revolution and, briefly, in the philosophy literature; and the meaning given it

by President Wilson, by Lenin, and after World War II. The course will also cover the meaning of the term as used by Palestinians, Blacks in South Africa, and secessionists in Scotland and Quebec.

Area B

Government E-133c *American Political Culture

Martin L. Kilson, Jr., Ph.D., Professor of Government, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

This course will describe and analyze the cultural patterns that have characterized American politics since the middle 19th century. Special attention will be given to the regional, religious, and ethnic aspects of the cultural patterns in American political development. The impact of cultural patterns upon parties, elections, leadership recruitment and public policy—especially reform policies—will be emphasized.

Area B

Government E-134 (Extension Seminar) *The Middle East and Africa—Background to Conflict

Dov Ronen, Ph.D., Research Fellow of the Center for International Affairs, Harvard University. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

The purpose of this course is to provide a wider perspective on events in order to acquire skills for their objective assessment. There will be an emphasis on learning about and understanding two or more sides involved in the conflicts studied. Each case will first be presented by the instructor, followed by discussion of relevant literature, group discussion and/or mock trial of the case. Cases covered will include the Arab-Israeli conflict, the Horn of Africa, the Eritrean-Ethiopian conflict, South Africa, and Rhodesia.

Area B

Government E-171 (Extension Seminar) *Topics in American Foreign Policy

Michael L. Nacht, Ph.D., Lecturer in Public Policy, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

A study of selected issues in American foreign policy with an emphasis on the nuclear age. Topics discussed will include the historical legacy of American foreign policy; origins of the Cold War and the policy of containment; NATO and alliance-building; limited war in theory and practice; crisis management; Vietnam and the decline in American self-confidence; détente; and the policies of the Carter administration. Attention will be paid to the process of foreign policy making as well as to substantive issues.

Area B

Government E-180c *Introduction to International Relations

Michael L. Nacht, Ph.D., Lecturer in Public Policy, Harvard University, Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

An examination of relations among states from theoretical, historical, and contemporary perspectives. Topics will include approaches to the study of international relations; the origins of the nation-state system; concepts of power and balance of power; imperialism; nationalism and the demise of colonial rule; sources of international conflict; and the prospects of global interdependence. In the latter half of the course the emphasis will be on contemporary problems in international relations: tensions in East-West political and economic relations; the North-South dispute; food, population, and energy issues; and the dispersion of military power.

Area B

See also Economics.

Greek

Greek E-Aa Elementary Classical Greek

A. Lowell Edmunds, III, Ph.D., Associate Professor of Classics, Boston College. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students only: \$80. (Additional \$10 language laboratory fee is optional.) Sever Hall 19.

An introduction to the fundamentals of Attic Greek. In the Spring Term, reading of scientific passages from major authors is included. Previous study of a foreign language is not required.

Greek E-3a *Advanced Classical Greek Tutorial

David Kubiak, A.M., Assistant Senior Tutor, Kirkland House, Harvard University. Through-Year. (Sept. 25) Monday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$80. Emerson Hall 104.

This course is designed for those who have completed Greek E-Aab or Greek E-Ab as presented in 1977-78 or who have completed at least one year's study of classical Greek on the college level. Prose and poetry will be covered, and the course will meet in alternate weeks.

Hebrew

Hebrew E-Ba *Elementary Modern Hebrew

Bernard D. Cooperman, Ph.D., Assistant Professor of Hebrew and Jewish History, Harvard University. Through-Year. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students only: \$90. (Additional \$10 language laboratory fee is optional.) Sever Hall 14.

For students with no previous instruction in Hebrew and for those who have had some unsystematic exposure to the language. Ulpan format is combined with a more conventional textbook method to give students practice in both speaking and reading Hebrew. Tape cassettes will also be available for home study and review.

Hebrew E-Bb *Intermediate Modern Hebrew

Bernard D. Cooperman, Ph.D., Assistant Professor of Hebrew and Jewish History, Harvard University. Through-Year. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students only: \$90. (Additional language laboratory fee is optional.) Sever Hall 14.

This course is designed for students who have completed Hebrew E-Ba or who have had some previous systematic exposure to Hebrew. Emphasis is evenly divided between oral practice and training in reading unvocalized (unpointed) Hebrew. By the end of the year students will be able to read a newspaper or short story with the aid of a dictionary. Students who are not sure of their proper levels are encouraged to enroll in Hebrew E-Ba as well.

History

History E-1380b (Extension Seminar) *The Age of Cook

J.H. Parry, Ph.D., Gardiner Professor of Oceanic History and Affairs, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

The history of European exploration, travel and settlement outside Europe in the later 18th century, with particular attention to the voyages of James Cook and his contemporaries (1978-79 being the bicentennial of his last major discoveries and his death).

Area B

History E-1425 *British Society and the Industrial Revolution, 1750-1850

John Bohstedt, Ph.D., Assistant Professor of History, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

This course will discuss the social causes and consequences of the Industrial Revolution, and examine the transformation of the scale and character of production, urban life and social policy, the transition from patronage to class politics, and the durability of tradition and regional diversity.

Area B

History E-1550 *East Central Europe in the Twentieth Century

Karen J. Freeze, Ph.D., Lecturer in History, Brandeis University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 102.

This course will examine some major problems in the history of Eastern Europe since the emergence of the independent states after World War I: nationalism and socialism; economic crises and development; the rise of native fascism; the cataclysm of World War II; postwar communism and revolt.

Area B

History E-1585c *A History of the Jews in Modern Times

Erich Goldhagen, M.A., Visiting Lecturer on Church History, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

The political, social and economic conditions of the Jews in the era of emancipation; the processes of assimilation and the countercurrents they provoked; the rise of Zionism; the contributions of Jews to West European culture; the condition of the Jews in Eastern Europe; the profound socio-economic and cultural transformation wrought by the Soviet regime; the Stalinist relapse into anti-Semitism; the growth of the Jewish community in the United States and its acculturation; the organizational pattern of American Jewry; the birth of the state of Israel and its influence on the Jewish communities throughout the world.

Area B

History E-1602a *The Federal Union

Thomas H. O'Connor, Ph.D., Professor of History, Boston College. Fall Term. (Sept. 20) Wednesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Emerson Hall 108.

A survey of the rise and development of the new American republic under the presidency of George Washington, the formation of the two-party system under Hamilton and Jefferson, the upsurge of nationalism after the War of 1812, and the emergence of a new democratic spirit during the Jacksonian era.

Area B

History E-1602b *Civil War and Reconstruction

Thomas H. O'Connor, Ph.D., Professor of History, Boston College. Spring Term. (Jan. 31) Wednesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Emerson Hall 108.

A survey of the various political, economic, social, and racial controversies between the Northern and Southern states which ultimately led to secession and civil war, and of the continuing sectional tensions that complicated the process of national reconstruction.

Area B

History E-1630 *A History of Cambridge

Gerard B. Warden, Ph.D., Lecturer in History, Boston University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Lee-Nichols House, 159 Brattle Street, Cambridge 02138. (Note: Tuition includes weekly admission fee to Lee-Nichols House.)

This course will explore Cambridge's development from a swampy village to a modern complex city. Through lectures, readings and discussions, the course will

survey selected topics of community growth, social organization, industry, immigration, political change, neighborhood relations, reform movements, education, literature and the role of notable, sometimes notorious citizens over the past 350 years. Attention will also be given to Cambridge's often ambivalent relations with the rest of the world.

Area B

History E-1851c *Japan Before 1868

Kenneth A. Grossberg, Ph.D., Assistant Professor of History, Boston College. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 30.

A survey of the major themes and institutions of Japanese history from its beginnings up to the Meiji Restoration. Topics will include: the Nara-Heian classical age, rule by the samurai, social and economic change during Japan's Renaissance (the Muromachi period), the country under the Tokugawa, and the end of the shogunate in the 19th century.

Area B

History E-1852a *Modern Japan

Kenneth A. Grossberg, Ph.D., Assistant Professor of History, Boston College. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 30.

Japan's experience during the last century is explored in terms of the native institutions which the Japanese brought with them into the modern world and which they used with such phenomenal success to respond to the challenge of the West. The focus will be not just on political developments, but also on economic, social, and cultural change during the Meiji, Taisho, inter-war, and post-war periods.

Area B

History E-1882 *History of the Modern Middle East in the Nineteenth and Twentieth Centuries

Thomas Philipp, Ph.D., Assistant Professor of History, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 24.

Transformation of the traditional Middle East under the impact of European imperialism. Social, political, economic changes. The role of Islam and the development of secular trends of thought and identity.

Area B

History E-1971 (Conference Course) *Collective Violence in Great Britain, America and France, 1750-1914

John Bohstedt, Ph.D., Assistant Professor of History, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students only: \$80. Lehman Hall B-1.

The objectives, achievements, and compositions of crowds, their targets, and the forces of order in the traditional riots of the 18th century, in the revolutionary crises of the period, and in the industrial, ethnic, and political conflicts following the Industrial and Democratic revolutions. The course will contrast the persistence of communal sources of collective action with the widening horizons of institutional and ideological development. Firsthand accounts of riots will be used for class discussions and student research projects.

Area B

History of Science

History of Science E-106c *The Origins of Science

John E. Murdoch, Ph.D., Professor of the History of Science, Harvard University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

The origins of science in two different cultural contexts: Greece from the beginning through the middle of the 4th century BC, and the early Christian Middle Ages. Consideration (for Greek antiquity) of the importance of mythic treatments of nature to the origins of scientific thinking itself and (for the early Middle Ages) of the relevance of religious factors to the recovery and development of the inherited Greek scientific tradition. Investigation of the role played by social factors and non-scientific knowledge in the historical determination of the content and structure of science. Area A

History of Science E-140 *History of Medicine

Stanley J. Reiser, M.D., Ph.D., Associate Professor of the History of Medicine, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

Examination of the scientific, clinical, and social developments of Western medicine. Emphasizes theories of disease causation, methods of diagnosis and therapy, the development of the hospital, the growth of medical education, the changing position of the physician in society, the evolution of nursing and medical social work, and the organization of medical research and medical care services. Area B

History of Science E-206r (Extension Seminar) *Greek Medicine

John E. Murdoch, Ph.D., Professor of the History of Science, Harvard University. Spring Term. (Jan. 31) Wednesday, 7:30-9:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

Readings, in translation, and critical examination of selected medical writings, especially those of the Hippocratic Corpus and of Galen. Consideration, on the one hand, of the formative influence upon early medicine of conceptions and doctrines developed within Greek natural philosophy and, on the other hand, of the importance of both the intellectual and the social role of medicine as a profession with its own particular subject matter. Area A



Extension Courses Schedule by Day, Time, and Term

F = Fall Term, S = Spring Term,
TY = Through-Year

MONDAY

Courses beginning at 2:00 p.m.		
Old Testament E-100a	F	2:00-3:00
Old Testament E-100b	S	2:00-3:00
Courses beginning at 5:30 p.m.		
Afro-American Studies E-128c	S	5:30-7:30
Arabic E-237d	TY	5:30-7:30
Biology E-32c	F	5:30-7:30
Chemistry E-20	TY	5:30-7:00
Chinese E-Aab	TY	5:30-7:00
Chinese E-102a	TY	5:30-7:00
Expository Writing E-11a	TY	5:30-7:00
English E-Ee	F	5:30-8:30
English E-Ef	S	5:30-8:30
Geography E-140	F	5:30-7:30
Geography E-145	S	5:30-7:30
German E-A	F	5:30-7:30
German E-B	S	5:30-7:30
Government E-30	F	5:30-7:30
Government E-133c	S	5:30-7:30
Government E-171	S	5:30-7:30
Government E-180c	F	5:30-7:30
Greek E-3a	TY	5:30-7:30
Hebrew E-Ba	TY	5:30-7:30
History E-1971	F	5:30-7:30
Iranian E-170c	TY	5:30-7:30
Japanese E-Aab	TY	5:30-7:00
English E-166c	S	5:30-7:30
English E-166d	F	5:30-7:30
English E-199d	F	5:30-7:30
Humanities E-170c	S	5:30-7:30
Mathematics E-1a	TY	5:30-9:00
Latin E-1a	TY	5:30-7:30
Physics E-1b-d	F&S	5:30-9:00
Psych. & Soc. Rel. E-1130c	S	5:30-7:30
French E-Cb	TY	5:30-7:30
French E-Ea	F	5:30-7:30
French E-Eb	S	5:30-7:30
Spanish E-Aa	TY	5:30-7:30
Spanish E-Eb	S	5:30-7:30
Social Sciences E-192	F	5:30-7:30
Church History E-135	F	5:30-7:30
Courses beginning at 5:45 p.m.		
Physics E-7a	F	5:45-7:15
Physics E-7b	S	5:45-7:15
Courses beginning at 6:30 p.m.		
Biology E-143	S	6:30-9:30
Courses beginning at 7:30 p.m.		
Arabic E-Aab	TY	7:30-9:30
Celtic E-132a	TY	7:30-9:30
Economics E-1010a	F	7:30-9:30
Economics E-1010b	S	7:30-9:30
Geology E-16a	F	7:30-9:30
Geology E-111a	S	7:30-9:30
Government E-132	F	7:30-9:30
Government E-134	S	7:30-9:30
Hebrew E-Bb	TY	7:30-9:30
Japanese E-102a	TY	7:30-9:00
Latin E-Aa	TY	7:30-9:30
Natural Sciences E-132a	F	7:30-9:30
Natural Sciences E-132b	S	7:30-9:30
Natural Sciences E-148d	S	7:30-9:30
Psych. & Soc. Rel. E-15	F	7:30-9:30
Psych. & Soc. Rel. E-1880a	F	7:30-9:30
Psych. & Soc. Rel. E-1880b	S	7:30-9:30
French E-Ca	TY	7:30-9:30
Portuguese E-AA	F	7:30-9:30
Portuguese E-AB	S	7:30-9:30
Spanish E-Aa	TY	7:30-9:30
Spanish E-AA	F	7:30-9:30
Spanish E-AB	S	7:30-9:30

TUESDAY

Courses beginning at 9:00 a.m.		
Old Testament E-103a	F	9:00-10:00
Courses beginning at 2:00 p.m.		
Expository Writing E-11c	F	2:00-4:00
Expository Writing E-11d	S	2:00-4:00
Courses beginning at 5:30 p.m.		
Afro-American Studies E-119a	F	5:30-7:30
Anthropology E-1b	S	5:30-7:30
Anthropology E-104a	S	5:30-7:30
Anthropology E-105a	F	5:30-7:30
Astronomy E-5	F	5:30-7:30
Astronomy E-6	S	5:30-7:30
Biology E-19c	F	5:30-7:30
Chemistry E-1	TY	5:30-7:00
Expository Writing E-17m	S	5:30-7:30
Fine Arts E-166c	S	5:30-7:30
Fine Arts E-169c	F	5:30-7:30
Fine Arts E-170c	S	5:30-7:30
Fine Arts E-171	S	5:30-7:30
Fine Arts E-184e	F	5:30-7:30
Fine Arts E-185c	S	5:30-7:30
Greek E-Aa	TY	5:30-7:30
History E-1585c	S	5:30-7:30
History E-1882	S	5:30-7:30
Humanities E-109	F	5:30-7:30
Humanities E-197	S	5:30-7:30
Humanities E-198	F	5:30-7:30
Linguistics E-120	F	5:30-7:30
English E-12a	F	5:30-7:30
English E-12b	S	5:30-7:30
English E-162	S	5:30-7:30
English E-164	S	5:30-7:30
Mathematics E-1a	TY	5:30-9:00
Physics E-1b-d	F&S	5:30-9:00
Psych. & Soc. Rel. E-1520	F	5:30-7:30
Psych. & Soc. Rel. E-1705	S	5:30-7:30
Psych. & Soc. Rel. E-1870	S	5:30-7:30
French E-Aa	TY	5:30-7:30
French E-F	F	5:30-7:30
French E-G	S	5:30-7:30
Italian E-Aa	TY	5:30-7:30
Italian E-Ca	TY	5:30-7:30
Slavic E-Db	TY	5:30-7:30
Slavic E-A	TY	5:30-7:30
Slavic E-Hb	TY	5:30-7:30
Social Sciences E-142a	F	5:30-7:00
Social Sciences E-146	S	5:30-7:30
Social Sciences E-175	F	5:30-7:30
Social Sciences E-182c	S	5:30-7:00
Courses beginning at 6:30 p.m.		
Biology E-18a	F	6:30-9:30
Biology E-18b	S	6:30-9:30
Biology E-104c	F	6:30-8:30
Vis & Env Studies E-120a	TY	6:30-9:15
Courses beginning at 7:30 p.m.		
Afro-American Studies E-131a	F	7:30-9:30
Fine Arts E-148	S	7:30-9:30
German E-Aa	TY	7:30-9:30
Government E-109	S	7:30-9:30
History E-1380b	F	7:30-9:30
Humanities E-146	S	7:30-9:30
Comparative Literature E-167	F	7:30-9:30
Iranian E-172a	F	7:30-9:30
Mathematics E-P	F	7:30-9:30
Mathematics E-Q 1	F	7:30-9:00
Mathematics E-Q 2	S	7:30-9:00
Music E-1a	F	7:30-9:30
Music E-1b	S	7:30-9:30
Philosophy E-6	F	7:30-9:30
Psych. & Soc. Rel. E-1080	S	7:30-9:30
French E-AA	F	7:30-9:30
French E-AB	S	7:30-9:30
Italian E-AA	F	7:30-9:30
Italian E-AB	S	7:30-9:30
Spanish E-Ca	TY	7:30-9:30
Spanish E-Da	F	7:30-9:30
Spanish E-Db	S	7:30-9:30
Social Sciences E-141e	S	7:30-9:30
Social Sciences E-142d	F	7:30-9:00
Social Sciences E-170d	F	7:30-9:30

Social Sciences E-170g	S	7:30-9:30
Sociology E-117a	S	7:30-9:30

WEDNESDAY

Courses beginning at 2:00 p.m.		
Old Testament E-100a	F	2:00-3:00
Old Testament E-100b	S	2:00-3:00
Courses beginning at 3:00 p.m.		
Applied Theology E-164	F	3:00-5:00
Courses beginning at 5:30 p.m.		
Anthropology E-142a	F	5:30-7:00
Anthropology E-142b	S	5:30-7:00
Biology E-17	F	5:30-7:30
Biology E-145	F	5:30-7:30
Education E-A-112	S	5:30-7:30
Education E-A-431	S	5:30-7:30
Expository Writing E-11e	F	5:30-7:30
Expository Writing E-12d	F	5:30-7:30
Expository Writing E-12e	S	5:30-7:30
Expository Writing E-14b	F	5:30-7:30
German E-A	F	5:30-7:30
German E-B	S	5:30-7:30
Government E-118	F	5:30-7:30
History E-1425	S	5:30-7:30
History E-1550	F	5:30-7:30
History E-1602a	F	5:30-7:00
History E-1602b	S	5:30-7:00
History of Science E-140	F	5:30-7:30
Humanities E-130	S	5:30-7:30
Humanities E-159c	TY	5:30-7:00
Humanities E-192	S	5:30-7:30
Linguistics E-106c	F	5:30-7:30
Linguistics E-106d	S	5:30-7:30
Linguistics E-110c	F	5:30-7:30
Linguistics E-116c	S	5:30-7:30
English E-115a	F	5:30-7:30
English E-115b	S	5:30-7:30
English E-172	F	5:30-7:30
Mathematics E-104c	F	5:30-7:30
Mathematics E-104d	S	5:30-7:30
Music E-125a	F	5:30-7:30
Music E-196	S	5:30-7:30
Philosophy E-166	F	5:30-7:30
Psych. & Soc. Rel. E-1770	F	5:30-7:30
French E-Ab	TY	5:30-7:30
Italian E-Dab	TY	5:30-7:30
Portuguese E-Ca	TY	5:30-7:30
Spanish E-Ab	TY	5:30-7:30
Spanish E-Ea	F	5:30-7:30
Romance Languages E-201	S	5:30-7:30
Slavic E-B	TY	5:30-7:30
Slavic E-101	TY	5:30-7:30
Social Sciences E-158c	S	5:30-7:30
Sociology E-110a	F	5:30-7:30

Courses beginning at 6:30 p.m.		
Biology E-142	F	6:30-9:30
Mathematics E-Ar	F	6:30-9:30

Courses beginning at 7:30 p.m.		
Arabic E-Aab	TY	7:30-9:30
Astronomy E-14c	F	7:30-9:30
Classical Archaeology E-136a	F	7:30-9:30
Classical Archaeology E-141	S	7:30-9:30
German E-Ab	TY	7:30-9:30
German E-180	F	7:30-9:30
History of Science E-106c	F	7:30-9:30
History of Science E-206r	S	7:30-9:30
Humanities E-5b	F	7:30-9:30
Humanities E-145	F	7:30-9:30
Iranian E-176c	TY	7:30-9:30
Mathematics E-Xr 1	F&S	7:30-9:00
Mathematics E-Xr 2	F&S	7:30-9:00
Mathematics E-Ar 1	F&S	7:30-9:00
Mathematics E-Ar 2	F&S	7:30-9:00
Natural Sciences E-132c	F	7:30-9:30
Cape Verdean Crioulo E-Aa	TY	7:30-9:30
French E-Dc	S	7:30-9:30
Portuguese E-AA	F	7:30-9:30
Portuguese E-AB	S	7:30-9:30
Spanish E-AA	F	7:30-9:30
Spanish E-AB	S	7:30-9:30
Slavic E-Da	TY	7:30-9:30
Social Sciences E-154c	S	7:30-9:00

THURSDAY

Courses beginning at 9:00 a.m.		
Old Testament E-103a	F	9:00-10:00
Courses beginning at 10:15 a.m.		
Ext. Sem. E-1130	F	10:15-12:15
Ext. Sem. E-1200	S	10:15-12:15
Courses beginning at 5:30 p.m.		
Anthropology E-126c	S	5:30-7:30
Chemistry E-1	TY	5:30-7:00
Chemistry E-20	TY	5:30-7:00
Chinese E-Aab	TY	5:30-7:00
Economics E-1415	F	5:30-7:30
Economics E-1500	F&S	5:30-7:30
Expository Writing E-14c	S	5:30-7:30
Expository Writing E-14d	F	5:30-7:30
Expository Writing E-17a	F	5:30-7:30
Expository Writing E-17b	S	5:30-7:30
Geography E-108	S	5:30-7:30
History E-1630	F	5:30-7:30
History E-1851c	F	5:30-7:30
History E-1852a	S	5:30-7:30
Humanities E-105a	F	5:30-7:00
Humanities E-105b	S	5:30-7:00
Japanese E-Aab	TY	5:30-7:00
Chinese E-125a	S	5:30-7:30
Comparative Literature E-154	S	5:30-7:30
English E-141	F	5:30-7:30
Mathematics E-1a	TY	5:30-9:00
Physics E-1b-d	F&S	5:30-9:00
Psych. & Soc. Rel. E-1083	F	5:30-7:30
Psych. & Soc. Rel. E-1185	S	5:30-7:30
Psych. & Soc. Rel. E-1240c	F	5:30-7:30
Psych. & Soc. Rel. E-2472	S	5:30-7:30
French E-Cb	TY	5:30-7:30
French E-Da	F	5:30-7:30
French E-Db	S	5:30-7:30
French E-121d	S	5:30-7:30
Italian E-Ab	TY	5:30-7:30
Italian E-Cb	TY	5:30-7:30
Sociology E-102c	S	5:30-7:30
Sociology E-118	F	5:30-7:30
Vis. & Env. Studies E-163c	F	5:30-7:30

Courses beginning at 6:00 p.m.		
Geology E-16c	F	6:00-9:00

Courses beginning at 6:30 p.m.		
Biology E-2a	F	6:30-9:30
Biology E-2b	S	6:30-9:30
Vis. & Env. Studies E-20a	TY	6:30-9:15

Courses beginning at 7:00 p.m.		
Lowell Inst. E-109	F	7:00-8:30
Lowell Inst. E-111	S	7:00-8:30

Courses beginning at 7:30 p.m.		
Astronomy E-14	F	7:30-9:30
Celtic E-132b	TY	7:30-9:30
Economics E-10a	S	7:30-9:30
Fine Arts E-13a	F	7:30-9:30
Fine Arts E-13b	S	7:30-9:30
Fine Arts E-93r	F	7:30-9:30
Government E-20c	F	7:30-9:30
Government E-115	S	7:30-9:30
Japanese E-103r	TY	7:30-9:00
Philosophy E-146c	F	7:30-9:30
Psych. & Soc. Rel. E-1188c	F	7:30-9:30
Psych. & Soc. Rel. E-1190c	S	7:30-9:30
French E-AA	F	7:30-9:30
French E-AB	S	7:30-9:30
Italian E-AA	F	7:30-9:30
Italian E-AB	S	7:30-9:30
Spanish E-Cb	TY	7:30-9:30
History of Religion E-101a	F	7:30-9:30

FRIDAY

Courses beginning at 2:00 p.m.		
Old Testament E-100a	F	2:00-3:00
Old Testament E-100b	S	2:00-3:00

SATURDAY

English E-Eb	F&S	9:00-12:30
Economics E-1298c	F	10:00-12 Noon
Social Sciences E-139b	S	9:00-1:00

Humanities

Humanities E-5b Modern Conceptions of Man and the World

Hugo A. Bedau, Ph.D., Austin Fletcher Professor of Philosophy, Tufts University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

This course will examine representative and influential writings in European thought since the Reformation and Renaissance. The readings illustrate the progressive development of the distinctively modern view of man through a close examination of fundamental questions in morality, religion, politics, and philosophy. Selections from the writings of Luther, Machiavelli, Galileo, Shakespeare, Descartes, Rousseau, Hume, Kant, Mill, Kierkegaard, Marx, Freud, Sartre, Wittgenstein.

Area C

Humanities E-105a *Greek Mythology, Part I

David S. Perry, Ph.D., Associate Professor of English, Simmons College. Fall Term. (Sept. 21) Thursday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Sever Hall 23.

The Fall Term is primarily concerned with the gods, particularly Prometheus, Apollo, Aphrodite, Hermes, Demeter and the Eleusinian Mysteries, and Dionysus and his cult. Attention to theories of myth, creation myths, archaeological evidence, and Mesopotamian analogues. Readings include Ovid's *Metamorphoses*, Hesiod's *Theogony*, the Homeric Hymns, and several Greek plays, including Aeschylus's *Prometheus Bound*.

Area C

Humanities E-105b *Greek Mythology, Part II

David S. Perry, Ph.D., Associate Professor of English, Simmons College. Spring Term. (Feb. 1) Thursday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Sever Hall 23.

The Spring Term is primarily concerned with the heroes: Perseus, Herakles, Jason, Oedipus, Theseus, and the heroes of Troy. Readings include Apollonius's *The Voyage of Argo*, Homer's *Odyssey*, and several Greek plays, including Sophocles's two Oedipus plays and Aeschylus's *Oresteia*.

Area C

Humanities E-130 *Ethics in Medicine

Arthur J. Dyck, Ph.D., Mary B. Saltonstall Professor of Population Ethics, Harvard University, and Stanley J. Reiser, M.D., Ph.D., Associate Professor of the History of Medicine, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

Conflicts of values in the making of medical decisions by physicians, patients and society, and historical and analytic approaches to their solution. Infanticide, abortion, euthanasia, the allocation of scarce medical resources, truth-telling in medicine, the right to refuse therapy, paternalism in medical care, mental retardation, and human experimentation.

Area C

Humanities E-145 *Yiddish Culture from Shtetl to Suburbia

Sol Gittleman, Ph.D., Professor of German, Tufts University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

This course will survey the development of *Yiddishkeit* in Europe and America, from the Middle Ages to the present, with emphasis on language, literature, the Diaspora experience. Readings will include selections from Sholem Aleichem, Peretz, Asch, Malamud, Bellow, and Roth.

Area C

Humanities E-146 *Literature and the Holocaust

James L. Kugel, Ph.D., Research Associate in Near Eastern Languages and Literatures, Harvard University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 102.

An examination of the major fiction and memoir material written about the destruction of European Jewry in World War II. The course will begin with a brief historical survey and move on to consider a broad spectrum of novels, short stories, diaries and first-person recollections. Special attention will be given to the relationship of these works to earlier Jewish writings, as well as to their place in the literary traditions of the languages in which they appear.

Area C

Humanities E-159c *Islamic Civilization

Michele A. DeAngelis, Ph.D., Associate in the Center for Middle Eastern Studies, Harvard University. Through-Year. (Sept. 20) Wednesday, 5:30-7:00 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 103.

This course will serve as an introduction to Islamic civilization, in particular to those periods and facets of Islamic civilization that have been culturally most rich, historically most impressive, and internationally of greatest impact. Thus the course will examine the history of Islamic origins, expansion, and basic institutions, the specifically "Islamic" society and economy that emerged in the heyday of Islam, Islamic philosophy and religion, Islamic science, and the literature, arts, and crafts that have been characteristic of Islamic societies in general.

Area C

Humanities E-192 (Extension Seminar) *A Study of Creative Lives

Inge S. Hoffmann, M.A., Lecturer on Psychology in the Department of Psychiatry, Harvard Medical School. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. 20 Garden Street, Room 119.

The object of this seminar will be to explore the progressive transformations of self and the environment through creative work. Each student may work independently, or in collaboration with another, in his interdisciplinary inquiry into one of the following lives: Emily Dickinson, Sigmund Freud, Menachim Begin or Anwar Sadat, Franz Kafka, George Eliot, Giuseppe Verdi, Claude Monet, Virginia Woolf or *any other selected by the student with the seminar leader's consent*. The student will compare personal documents and selected writings in order to discover whether and how the creative individual utilizes his or her inner conflicts and the challenges of his or her milieu as sources of personal strength and significant work. (*Prerequisites*: All students interested in enrolling in this seminar must submit a brief statement of their background and educational interests, mentioning the figure they would like to study in depth. The instructor will interview students *after* they have browsed through the literature on their subject. Students may write Ms. Hoffmann at 91 Washington Avenue, Cambridge, MA 02140.)

Area C

Humanities E-197 *The Themes of Intimacy and Isolation As Examined in Literature

Arthur C. Holmberg, Ph.D. Spring Term. (Jan 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

Establishing and maintaining emotional and physical intimacy often seems like an elusive goal in contemporary society. Using some great literary texts as the basis of discussion, this course will explore a variety of attitudes and reactions to intimacy and isolation.

Area C

Humanities E-198 *Growing Up and Growing Old: Critical States in the Adult Life Cycle as Examined in Literature

Arthur C. Holmberg, Ph.D. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Lehman Hall B-2.

Using Erik Erikson's theory of the human life cycle as an intellectual framework, this course will discuss some great works of European literature in order to explore the difficult transitions that characterize adult life, including the search for an autonomous self, encounters with one's sexuality, the search for a vocation in life, initiation into society, the search for an ideal mate, the failure of marriage, parenthood, old age, solitude, sickness and death. Literary artists are often the best psychologists, and students will analyze various reactions and resolutions to these difficult passages of adult life.

Area C

Iranian

Iranian E-170c *Advanced Tutorial in Persian

Michele A. DeAngelis, Ph.D., Associate in the Center for Middle Eastern Studies, Harvard University. Through-Year. (Sept 18) Monday, 5:30-7:30 p.m. 4 units. Credit and non-credit students \$80. Harvard Hall 102.

(Prerequisite: E-170a or the equivalent with permission of the instructor.)

Iranian E-176c *Elementary Spoken Persian

Wheeler M. Thackston, Jr., Ph.D., Assistant Professor of Persian, Harvard University. Through-Year. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$80. (Additional \$10 language laboratory fee is optional.) Harvard Hall 103.

A basic course in spoken Persian. For those with no previous knowledge of Persian who desire to develop some ability in the conversational idiom of Iran. Toward the end of the year the course will turn to the formal written language and the Arabic script.

Italian

See Romance Languages.

Japanese

Japanese E-Aab *Elementary Japanese

Yori Oda, A.M., Senior Preceptor in Japanese, Harvard University. Through-Year. (Sept. 18) Monday and Thursday, 5:30-7:00 p.m. 8 units. Credit and non-credit students: \$180, including language laboratory fee. Harvard Hall 103.

Introduction to modern Japanese, pronunciation drill, grammar and conversation practice, with an introduction to the *hiragana* writing system and to about 60 of the most frequently used Chinese characters (*kanji*).

(Textbook: Jordan and Chaplin, *Beginning Japanese*, Part I. Two one-hour laboratory sessions will be required.)

Japanese E-102a *Intermediate Japanese

James T. Kenney, M.A. Through-Year. (Sept. 18) Monday, 7:30-9:00 p.m. 4 units. Credit and non-credit students: \$90, including language laboratory fee. Sever Hall 23.

A continuation of Elementary Japanese. Grammar, pronunciation drill, and conversation practice; *kanji* writing system and its application. (Two one-hour laboratory sessions will be required.)

Japanese E-103r *Advanced Japanese

Sakie T. Fukushima, M.A. Through-Year. (Sept. 21) Thursday, 7:30-9:00 p.m. 4 units. Credit and non-credit students: \$90. Sever Hall 20.

Although this course is primarily designed for those students who completed Japanese E-103 during the 1977-78 academic year, it is open to others with equivalent training. Pronunciation drills, conversational practice; *kanji* writing system, and additional applications. Laboratory sessions will be required.

Latin

Latin E-Aa *Latin for Beginners

John W. Howard, M.A., Lecturer in Classics, Boston College. Through-Year. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$80. Sever Hall 24.

A survey of grammar, and reading of easy passages, for those who wish to acquire, or re-acquire, a basic knowledge of Latin.

Latin E-1a *Advanced Latin Tutorial

David Kubiak, A.M. Assistant Senior Tutor, Kirkland House, Harvard University. Through-Year. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$80. Emerson Hall 104.

Although primarily designed as a continuation of the tutorial course Latin E-Ab as presented in 1977-78, this course is also open to students who have completed Latin E-Aab or who have studied Latin for at least a year at the college level. Latin prose and poetry will be featured. The course will meet in alternate weeks.

Linguistics

Humanities E-109 *Language

Calvert Watkins, Ph.D., Professor of Linguistics and the Classics, Harvard University. Fall Term (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

An introduction to the science of language and a survey of the methods and results of modern linguistics. Topics include the nature of language, history of linguistics, principles of linguistic analysis, transformational grammar, language change, and the relationship between linguistics and other sciences of man. Area C

Linguistics E-106c *Politics of Language

Jeffrey G. Heath, Ph.D., Assistant Professor of Linguistics, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 23.

Discussion of the role played by language identity in national unification, regional or ethnic separatism, and international politics, with some attention to governmental (including educational) policy-making. Rapid survey of a number of case studies including French Canada, European nation-states, Israel, the Arabs, French vs. British Africa, and selected emerging nations such as Papua-New Guinea. Area C

Linguistics E-106d *Sociolinguistics of American Bilingual Communities

Jeffrey G. Heath, Ph.D., Assistant Professor of Linguistics, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 23.

Comparative study of linguistic and communicative difficulties experienced by immigrants to the continental United States. Analysis of sociolinguistic aspects of

assimilation, nativism, intergenerational conflicts, educational difficulties, etc. Cases studied include Portuguese-Americans and Jewish Russian-Americans in addition to better known cases such as Puerto Ricans. Area C

Linguistics E-110c *Introduction to Linguistics

Jorge Hankamer, Ph.D., Assistant Professor of Linguistics, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Lehman Hall B-1.

An introduction to the science of language, recent discoveries about the nature of language, the grammatical theories of Chomsky and others, and the study of the human mind through language. Area C

Linguistics E-116c *Semantics

Jorge Hankamer, Ph.D., Assistant Professor of Linguistics, Harvard University. Spring Term. (Jan 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Lehman Hall B-1.

An introduction to the study of meaning. The course will survey the major problems in both philosophical and linguistic semantics, guided by two organizing principles: the convergence of concerns of these two disciplines in recent years, and the increasing relevance of semantic studies to language in use. These—the two most striking developments in modern semantics—may fairly be said to be in the process of shaping a new discipline. This course will be an introduction to that discipline, and its foundations. Previous acquaintance with linguistics, logic, or philosophy helpful, but not required. Area C

Linguistics E-120 *Introduction to Historical Linguistics

Calvert Watkins, Ph.D., Professor of Linguistics and the Classics, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

Principles and methods of linguistic reconstruction and language history, with examples from the Indo-European language family and the history of English. Attention to etymology and to the development of historical linguistics in the 19th and 20th centuries. (*Prerequisite:* Humanities E-109, or equivalent acceptable to the instructor.) Area C

Literature

Chinese E-125a *Survey of Modern Chinese Literature

Bonnie S. McDougall, Ph.D., Research Fellow in East Asian Studies, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

The course surveys the development and transformation of modern Chinese literature, from its beginnings in the early 20th century to the present day, through the analysis of major works in the short story, novel, poetry and drama. One major theme will be Chinese perceptions of modern Chinese society and the role of literature in social transformation. Other topics include the impact of Western literature; change and continuity within the tradition; the interrelationship between form and content, and art and ideology; and the changing role of the audience in China. All assigned readings will be in English translation, and knowledge of Chinese is not required. Films may be shown as part of the course. Area C

Comparative Literature E-154 *The Novel and the Metropolis: Balzac, Dickens, Dostoevsky

Donald Fanger, Ph.D., Professor of Slavic and Comparative Literature, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

Reading and discussion of three novelists who pioneered in adapting the form of the novel to modern urban experience. No foreign language required. Area C

Comparative Literature E-167 *The Scandinavian Novel in Its European Context

John M. Hoberman, Ph.D., Assistant Professor of Scandinavian, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 102.

A critical study of major works by such writers as Strindberg, Hamsun, Söderberg, Lagerkvist, Sundman and Dinesen with emphasis on their relation to the development of the novel in other European countries. Corollary readings include works by Dostoevsky, Conrad and Camus. All assigned readings in English translation.

Area C

English E-12a Shakespeare: A Survey of the Plays, I

Jonathan R. Grandine, Ph.D., Assistant Professor of English, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

Introductory study of Shakespeare's comedies and histories. Thematic concerns, character development, and some aspects of Shakespearean performance in the Elizabethan and modern theatres. (No prerequisites.)

Area C

English E-12b Shakespeare: A Survey of the Plays, II

Jonathan R. Grandine, Ph.D., Assistant Professor of English, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

Introductory study of Shakespeare's tragedies and romances. Thematic concerns, character development, and some aspects of Shakespearean performance in the Elizabethan and modern theatres. (No prerequisites.)

Area C

English E-115a *Chaucer: *Troilus and Criseyde* and Other Works

Larry D. Benson, Ph.D., Professor of English, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

An introduction to Chaucer and his times, with a reading of his more important shorter works and a study in depth of his masterpiece, *Troilus and Criseyde*. No previous study of Chaucer or his language is required.

Area C

English E-115b *Chaucer: *The Canterbury Tales*

Larry D. Benson, Ph.D., Professor of English, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

A reading of Chaucer's most mature work with an emphasis on its literary and social contexts. Though a knowledge of Chaucer's earlier works (read in the Fall Term) is recommended, it is not required.

Area C

English E-141 *The English Novel Before 1800

John M. Bullitt, Ph.D., Professor of English Literature, Harvard University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

Major works of Defoe, Richardson, Fielding, Smollett, and Sterne, and some minor fiction. Area C

English E-162 *Whitman and Mark Twain

Justin Kaplan, B.S., Author. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

A comparative study of America's representative poet and representative humorist. For Whitman the discussion will focus on *Leaves of Grass*, *Democratic Vistas*, and *Specimen Days*. For Mark Twain it will focus on *Roughing It*, *Pudd'nhead Wilson*, *Autobiography*, and selected short works. Area C

English E-164 *Modern American Poetry

Theodore Wood, Jr., S.M., Professor of American Studies, Massachusetts Institute of Technology. Spring Term. (Jan.30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

Reading and discussion of major American poets including: Whitman, Dickinson, Robinson, Frost, Stevens, Williams, Pound, Eliot, Robert Lowell, Richard Wilbur. Other poets: Masters, Sandburg, Millay, Cummings, Bogan, S.V. Benet, Langston Hughes, Anne Sexton. Also some contemporaries. Area C

English E-166c *Modern American Fiction

Shaun V. O'Connell, Ph.D., Associate Professor of English, University of Massachusetts, Boston. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

A study of significant American fiction from the close of the 19th century to World War II. Attention to aspects of Modernism—esthetic self-consciousness and experimentation—and the interaction between evolving fictional forms and changing social patterns. Further emphases: the impact of World War I upon behavior, sensibility and novelistic strategy; growing explicitness; the emergence of other voices from other rooms: ethnic, sexual, regional, racial; the stunning variety of modern American fiction. James, Fitzgerald, Hemingway, Wharton, Faulkner, Farrell, Wright and others. Area C

English E-166d *Contemporary American Fiction

Shaun V. O'Connell, Ph.D., Associate Professor of English, University of Massachusetts, Boston. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 104.

A study of the varieties of fictional experience in contemporary America. Emphasis upon the persistence of certain realistic conventions by writers committed to the representation of "the way we live now" in traditional novelistic fashions. Emphasis, too, upon the distortion and displacement of those conventions by writers committed to the formulation of newly-contrived "useful fictions." Focus upon the problems and possibilities of developing fictional forms which plausibly contain personal and social experiences which struck many as occurring in an implausible "wonderland." Particular emphasis upon the literary culture of the 1960's, a time which produced a literature of "exhaustion," "alienation," "paranoia," and mixed modes. Bellow, Pynchon, Gass, Updike, Mailer, Didion, Adler, Morrison, Yates, Nabokov, Roth, Vonnegut and others. Area C

English E-172 *The Nineteenth-Century American Novel

Joel Porte, Ph.D., Professor of English and American Literature, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 201.

This course will cover the rise and development of American fiction, from its Gothic origins in the late 18th century (Charles Brockden Brown), through the mid-century

flowering of Romanticism (Hawthorne, Melville), and on to the so-called age of Realism (Howells, James). Among other writers to be studied will be: Cooper, Poe, Stowe, Twain, Crane, Norris, and Chopin. Area C

English E-199d (Extension Seminar) *Satire

Michael Shinagel, Ph.D., Dean of Continuing Education, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. 20 Garden Street, Room 119.

The nature of satire in theory and practice. An examination of satire in prose fiction, drama, and poetry by Jonson, Swift, Pope, Gay, Voltaire, Moliere, Brecht, Orwell, Heller, Vonnegut, among others. Area C

Humanities E-170c *African Literature

Rose Moss, M.A., Lecturer in English, Wellesley College. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 23.

A survey of contemporary sub-Saharan African literature. Brief introduction to historical, social, and literary contexts, with texts by writers from West, East, Central and Southern Africa, e.g., Achebe, Ngugi, and Lessing. Area C

Iranian E-172a *Survey of Persian Literature

Eden Naby, Ph.D., Research Associate, Center for Middle Eastern Studies, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

An introduction to literature written in Persian in Iran, Afghanistan and India from the pre-Islamic through the modern periods. Materials studied will range from Zoroastrian religious texts to medieval verse to modern short stories, drama and poetry. Particular attention will be given to the historical context in which Persian literature was created, the external influences affecting form, content and language, as well as to the continuous nature of certain themes and forms. All readings will be in English and a knowledge of Persian is not required. Area C

See also **Humanities**.

Mathematics

Students contemplating enrollment in any mathematics or calculus course except Mathematics E-104c and E-104d in *both* the Fall and Spring terms must complete a short placement examination before registering for a specific course. The examination will be administered in Science Center C between 6:00 and 9:00 p.m. on Monday, September 18, 1978, and Monday, January 29, 1979. *Students must take the placement examination each time that they register for a mathematics course in Extension, even if they have been enrolled in a mathematics course during the previous term. (Fee for late placement examination: \$5.)*

Mathematics E-Xr 1 College Algebra, I

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall and Spring Terms. (Sept. 20 and Jan. 31) Wednesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

Algebraic expressions, equations and inequalities: their manipulation and use in problem solving. Area A



Mathematics E-Xr 2 College Algebra, II

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall and Spring Terms. (Sept. 20 and Jan. 31) Wednesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

Continuation of College Algebra, I. (*Prerequisite:* Satisfactory placement test score or College Algebra, I.)

Area A

Mathematics E-Ar 1 Functions and Graphing

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall and Spring Terms. (Sept. 20 and Jan. 31) Wednesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

Graphing and an introduction to analytical geometry: functions and their graphs. (*Prerequisite:* Satisfactory placement test score.)

Area A

Mathematics E-Ar 2 Logarithms and Trigonometry

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall and Spring Terms. (Sept. 20 and Jan. 31) Wednesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

The logarithmic and trigonometric functions and their application. (*Prerequisite:* Math E-Ar 1 or satisfactory placement test score.) Area A

Mathematics E-Ar Essential Mathematics

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall Term. (Sept. 20) Wednesday, 6:30-9:30 p.m. 4 units. Credit students only: \$120. Science Center 118-122.

This course combines the material covered in Mathematics E-Ar 1 and Mathematics E-Ar 2. Students successfully completing this course may enroll in Mathematics E-1a in the Spring Term. Area A

Mathematics E-P Introduction to Probability and Statistics

Deborah Hughes Hallet, M.A., Preceptor in Mathematics, Harvard University, and staff. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

Elementary probability, inference theory, correlation and regression. (*Prerequisite:* College Algebra, II or satisfactory score on the placement test.) Area A

Mathematics E-Q 1 Finite Mathematics, I

David K. Pickard, Ph.D., Assistant Professor of Statistics, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

Linear programming, Markov chains and game theory are important mathematical tools whose applications are becoming increasingly widespread. These tools provide methods for (i) minimizing costs subject to constraints, (ii) predicting certain long run behavior in the presence of random variations, and (iii) the analysis of simple games involving both strategy and chance. Examples will be drawn from many areas, including economics, business, social sciences and biology. (*Prerequisite:* Mathematics E-Ar 2 or a satisfactory score on the placement test.) Area A

Mathematics E-Q 2 Finite Mathematics, II

David K. Pickard, Ph.D., Assistant Professor of Statistics, Harvard University. Spring Term. (Jan. 30) Tuesday, 7:30-9:00 p.m. 2 units. Credit students only: \$60. Science Center 118-122.

A continuation of Mathematics E-Q1.

Area A

Mathematics E-1a Introduction to the Calculus, Parts I-IV

Paul G. Bamberg, D. Phil., Director of Science Instruction Development, Harvard University, and staff. Through-Year. (Sept. 18) Monday, Tuesday, and Thursday, 5:30-9:00 p.m. 2 units per part. Credit students only: \$50 for each part.

This course is divided into four 2-credit parts, any of which may be entered in either the Fall or Spring Term. Students must make their initial registration for the course during the Fall or Spring Term registration period. Upon completion of one part, students may register immediately for the next part in the Extension office. *The last day to register for any additional part of Mathematics E-1a is Friday, April 13, 1979.*

The following topics are included: *Part I:* Analytic geometry of the plane, functions, limits, derivatives and antiderivatives of algebraic functions with elementary applications. *Part II:* Trigonometric and exponential functions and their inverses; applications of differentiation to curve sketching, optimization and estimation. *Part III:* Techniques of integration; theory and applications of the

definite integral. *Part IV:* Parametric curves, infinite series and polynomial approximation, elementary differential equations.

Classes will meet according to the following schedule: *Section A*, covering Parts I and II in the Fall; Parts III and IV in the Spring: Monday, 7:30-9:00 p.m. and Thursday, 5:30-7:00 p.m. (Science Center C). *Section B*, covering Part I in the Fall; Part II in the Spring: Thursday, 7:30-9:00 p.m. (Science Center 122). *Section C*, covering Parts I and II in the Spring: Tuesday and Thursday, 5:30-7:00 p.m. (Science Center 121). *Section D*, covering Part III in the Fall; Part IV in the Spring: Tuesday, 7:30-9:00 p.m. (to be offered only if there is sufficient demand) (Science Center 121). *Section E*, self-paced: Tuesday 5:30-7:30 p.m. (Science Center 119).

For each part of the course students are required to complete four or five repeatable mastery tests. These may be taken in Science Center 119 between 5:30 and 9:00 p.m. on Mondays, Tuesdays, or Thursdays.

The full course provides thorough preparation for the Mathematics BC Advanced Placement Examination. Parts I and II alone provide adequate preparation for the Mathematics AB Advanced Placement Examination. Area A

Mathematics E-104c *First Course in Logic

Gerald E. Sacks, Ph.D., Professor of Mathematical Logic, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 24.

The power and limits of formal reasoning. Truth versus provability. Construction of models of logically consistent sentences. Examples of sentences which are true but unprovable. Truth tables, propositional connectives, quantifiers and structures. The only prerequisite is some experience in careful reasoning gained through study of mathematics, philosophy or science. Area A

Mathematics E-104d *Second Course in Logic

Gerald E. Sacks, Ph.D., Professor of Mathematical Logic, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 24.

Continuation of First Course in Logic. The role of the infinite. Consistent sentences with no finite model. Orders of infinity. Introduction to general model theory and set theory. Area A

See also Economics and Philosophy.

Middle Eastern Studies

See Arabic, Hebrew, History, Humanities, Government, Iranian and Social Sciences.

Music

Music E-1a Early History of Music: Medieval through Baroque Periods

Esther Cynthia Verba, Ph.D., Lecturer on General Education, Harvard University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$85; non-credit \$55. Music Building 1.

This course will focus on the essential stylistic features of medieval, Renaissance and baroque music, respectively. The main goal of the course will be to increase the enjoyment of music through an understanding of historical styles. Emphasis will be placed on listening and developing the ability to recognize the basic characteristics of

each style period—involving the study of melody, harmony, rhythm, texture and overall structure. No prerequisites. Area C

Music E-1b Later History of Music: Classical through Contemporary Styles

Esther Cynthia Verba, Ph.D., Lecturer on General Education, Harvard University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$85; non-credit \$55. Music Building 1.

This course will study the musical styles of classical, romantic and contemporary music, respectively. It can be taken as a continuation of Music E-1a, or as a self-contained semester of study. Again, the major goal will be an increased enjoyment of music through an understanding of the styles within each period under consideration. Emphasis will be placed on listening and aural recognition of essential musical characteristics within each style. No prerequisites. Area C

Music E-125a *Nineteenth Century Music

Roland J. Wiley, Ph.D., Mellon Faculty Fellow in the Humanities, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Music Building 1.

A survey of Western art music from Beethoven to Mahler, based on the study of selected symphonies, operas, songs, and chamber works. Understanding structure and hearing style characteristics will be emphasized in class. Familiarity with musical notation and the rudiments of harmony helpful, but not required. Area C

Music E-196 *Music and Dance

Roland J. Wiley, Ph.D., Mellon Faculty Fellow in the Humanities, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$90; non-credit \$60. Music Building 1.

Important sources for social and theater dance from the 15th through 18th centuries will be reviewed as an introduction to the history of dance and dance music. About two-thirds of the lectures will be devoted to the development of romantic ballet in the 19th century, and to the Diaghilev *Ballets Russes* of the early 20th century. Area C

Natural Sciences

Lowell Inst. E-109 (Lowell Institute Course) *The Energy Wars

Guy C. McLeod, M.S., Director of Research, New England Aquarium, guest lecturers, and staff. Fall Term. (Oct. 5) Thursday, 7:00-8:30 p.m. 2 units. Credit students only: \$40. Auditorium, New England Aquarium.

This course, sponsored by the Lowell Institute, will focus on the energy crisis. A group of invited speakers will discuss probable alternatives to the increased use of nuclear power. Among the topics covered will be petrochemical energy sources, liquid fuels from coal, photovoltaic power systems, fuels from biomass, solar energy for village development, solar biomass energy, and a comparison of energy needs in other countries. A term paper will be required. Area A

Lowell Inst. E-111 (Lowell Institute Course) *How Animals Communicate

Guy C. McLeod, M.S., Director of Research, New England Aquarium, guest lecturers, and staff. Spring Term. (Feb. 15) Thursday, 7:00-8:30 p.m. 2 units. Credit students only: \$40. Auditorium, New England Aquarium.

A series of guest lecturers will develop a general theory of communication, the mechanism of communication in various sensory modalities, and the known systems of communication of animal groups. Examples from animal behavior will show the effects of specific qualities of environment on transmission properties of

communications signals, the difference between animal and human communication, the sites of the screening processes in the sensory and nervous systems by which specific signals are achieved, and the decomposition of complex signals and components of different meaning. A term paper will be required. Area A

Natural Sciences E-132a *Environmental Health Sciences, Part I

Dade W. Moeller, Ph.D., Professor of Engineering in Environmental Health Sciences, Harvard University. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

Lectures, discussions, and readings on the sources, biological effects, and control of environmental hazards. Topics during the Fall Term include environmental radiation protection, community air pollution, environmental standards, land-use planning, and the legal and socio-economic aspects of environmental control. Through the preparation of a term paper, participants will be given an opportunity to explore in depth a given aspect of the field. Area A

Natural Sciences E-132b *Environmental Health, Part II

Dade W. Moeller, Ph.D., Professor of Engineering in Environmental Health Sciences, Harvard University. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

Topics include occupational health, consumer protection, noise control, water supply and wastewater treatment, insect and rodent control, and the public health aspects of energy development. Through the preparation of a term paper, participants will be given an opportunity to explore in depth a given aspect of the field. (Environmental Health, Part I, is not a prerequisite.) Area A

Natural Sciences E-132c *Managing Environmental Quality: Air, Water, Energy

John D. Spengler, Ph.D., Assistant Professor, Environmental Health Sciences, Harvard University. Fall Term. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit students \$90; non-credit \$60. Harvard Hall 104.

This course will introduce the basic concepts of air and water pollution—covering sources, health effects, cross-media interactions, engineering, legislative and social controls. Most of the lecture material will draw upon pollution sources and management schemes in New England. Included will be the Wetlands Protection Act, Coastal Zone Management Act, Clean Air Legislation, Energy Facilities Siting Council, Charles River Watershed, Boston Edison generating plants, RESCO incinerator, off-shore oil development, among others. A weekend field trip to Cape Cod will be scheduled. Other field work, some involving portable field instruments, will be arranged. Area A

Natural Sciences E-148d *Issues in Nutritional Problems of Mothers and Children

Johanna T. Dwyer, D.Sc., Lecturer on Maternal and Child Health Nutrition, Harvard School of Public Health, and Director of the Frances Stern Nutrition Center, New England Medical Center Hospital. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit students \$50. Emerson Hall 101.

This course will examine the principles and practical problems encountered in the nutritional aspects of child growth and development. Lectures on general principles designed to help students base their judgments on scientific evidence. Discussions will deal with a variety of nutrition case studies and simulations of problems in both developing and highly industrialized countries. Desirable background: previous courses in biology and basic chemistry. Area A

Persian

See **Iranian**.

Philosophy

Philosophy E-6 Introduction to Philosophy

Norman Daniels, Ph.D., Associate Professor of Philosophy, Tufts University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

This course will concentrate primarily on problems in epistemology and metaphysics, as presented in the writings of major philosophers. A likely set of readings would include: Plato's *Meno*, Descartes' *Meditations*, Berkeley's *Dialogues Between Hylas and Philonous*, Hume's *Inquiry or Dialogues on Natural Religion*, Mill's *On Liberty*, and possibly one or two other shorter pieces. The course will not only treat classic problems of skepticism and foundations of knowledge, but will introduce the student to basic philosophical distinctions and methods of analysis and argument.

Area C

Philosophy E-146c (Extension Seminar) *Philosophy of History

Jeremy W. Rusk, Ph.D., Director of Lifelong Learning, Harvard University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students only: \$175. Lehman Hall B-2.

An exploration of questions of method and meaning in the understanding of history. Methodological considerations will include: the nature of historical fact, historical imagination, concepts of time, periodization, and historical objectivity. Special attention will be given to the psycho-histories of Erik Erikson, John Mack and others. Approaches to the question of meaning and pattern in the historical process will be analyzed with special attention given to Vico, Marx, Dilthey, Spengler, Toynbee, Collingwood, Eliade, and de Chardin.

Area C

Philosophy E-166 *Moral Philosophy

Henny Wenkart, Ph.D., Teaching Assistant in Expository Writing, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

The various methods of philosophical analysis applied to moral problems. Readings in both historical and contemporary philosophy will deal with such topics as: justice and fairness, duty and autonomy, freedom and subjugation, nurturance, guilt, friendship and family, population, death, progress, self-worth and work, sources of rights, sources of purpose, and other topics arising from the concerns and interests of the class.

Area C

See also **Humanities** and **Mathematics**.

Physics

Physics E-1b-d Topics in Physics, Parts b-d

Paul G. Bamberg, D. Phil., Director of Science Instruction Development, Harvard University, and assistants. Fall and Spring Terms. (Sept. 18 and Jan. 29) Monday, Tuesday, and Thursday, 5:30-9:00 p.m. 2 units per part. Credit students only: \$50 for a part.



This course will be open only to students who have completed Physics E-1a. All interested students must attend the first meeting at 6:30 p.m., Monday, September 18, Science Center C. Students must make their initial registration for this course during either the Fall or Spring Term official registration period. Upon completion of one part, students may register immediately for the next part at the Extension office. *The last day to register for any additional part of Physics E-1b-d is Friday, April 13, 1979.* Area A

Physics E-7a Introductory Physics, I—Mechanics

Paul G. Bamberg, D. Phil., Director of Science Instruction Development, Harvard University. Fall Term. (Sept. 18) Monday, 5:45-7:15 p.m. Conference section and laboratory Tuesday, 7:00-9:00 p.m., with a second section Thursday, 7:00-9:00 p.m. if there is sufficient demand. 4 units. Credit students only: \$90. Science Center C.

Covers classical mechanics at the level of the Physics C Advanced Placement Examination: kinematics, forces, conservation laws, rotational motion, oscillations, gravitation. Appropriate as preparation for more advanced work in physics; also meets half of the usual medical school requirement in physics. (*Prerequisite:* Elementary differential and integral calculus, taken previously or concurrently.) Area A

Physics E-7b Introductory Physics, II—Electricity and Magnetism

Paul G. Bamberg, D. Phil., Director of Science Instruction Development, Harvard University. Spring Term. (Jan. 29) Monday, 5:45-7:15 p.m. Conference section and laboratory Tuesday, 7:00-9:00 p.m., with a second section Thursday, 7:00-9:00 p.m. if there is sufficient demand. 4 units. Credit students only: \$90. Science Center C.

Covers electricity and magnetism at the level of the Physics C Advanced Placement Examination: electric and magnetic fields and forces, electric circuits, Maxwell's

equations in integral form. Appropriate as preparation for more advanced work in physics; also meets half of the usual medical school requirement in physics. (*Prerequisite:* A good working knowledge of differential and integral calculus and classical mechanics.)

Area A

Polish

See Slavic Languages and Literatures.

Portuguese

See Romance Languages.

Psychology and Social Relations

Psych. & Soc. Rel. E-15 Introduction to Psychology

L. Dodge Fernald, Ph.D. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

This survey course will focus on the following topics: methods of inquiry in psychology; the basic psychological processes, especially perception, learning and cognition, and motivation; and the concepts of personality, mental disorder and therapy. Area B

Psych. & Soc. Rel. E-1080 *Humanistic Psychology

Richard Katz, Ph.D., Lecturer on Psychology in the Department of Psychiatry, Harvard Medical School. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

In recent years, a "humanistic" approach has emerged in psychology, stressing the human potential for growth and actualization. This course will study the research and writings of humanistic psychology. The focus will be on selected issues. For example, what are some of the motivations for altruism? How effective are techniques for change, such as psychotherapy, encounter groups and meditation? What is the relevance of psychology to "psychic phenomena" and to spiritual development? Are there cultures which encourage maximal growth? Area B

Psych. & Soc. Rel. E-1083 *Depression and Affective Disorders

Ross C. Rizley, Ph.D., Assistant Professor of Psychology and Social Relations, Harvard University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

Examines current theory and research on the affective disorders (depression and mania). Topics covered include the measurement and classification of mood disorders, epidemiology of affective disorders, psychological and drug treatments of depression and mania, childhood depression, and the relationship between suicide and depression. Psychoanalytic, behavioral, cognitive, and biological theories of depression will be reviewed. (*Prerequisite:* Some background in abnormal or personality psychology is desirable). Area B

Psych. & Soc. Rel. E-1130c *Psychology of Learning

L. Dodge Fernald, Ph.D. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 108.

Primarily a study of human learning with approximately equal emphasis on theory and research, on the one hand, and practical applications in the school, home and clinic, on the other hand.

Area B

Psych. & Soc. Rel. E-1185 *Human Infancy

Dante Cicchetti, Ph.D., Assistant Professor of Psychology and Social Relations, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

An analysis of neurobiological, perceptual, motor, social, emotional and cognitive development during the first two years of life. Theory, research, and practical applications will be used to illustrate the organized, integrated nature of infant development. (*Prerequisite:* At least one previous course in psychology.)

Area B

Psych. & Soc. Rel. E-1188c *Developmental Psychology

Sheldon H. Wagner, *Lic., Diplôme*, Research Associate in Psychology and Social Relations, Harvard University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

A survey of current research in human development from infancy to adolescence. The course will consider in detail the areas of socio-emotional development, cognitive development and moral development. An examination will be made of the effects of child-rearing, social milieu and genetic factors in the origin and expression of child behavior.

Area B

Psych. & Soc. Rel. E-1190c *Cognitive Development

Sheldon H. Wagner, *Lic., Diplôme*, Research Associate in Psychology and Social Relations, Harvard University. Spring Term. (Feb. 1) Thursday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

An in-depth review of the literature of cognitive development with a special emphasis on the development of intelligence as viewed from a Piagetian perspective. Topics will include cross-cultural research, social-class differences, the effects of "enrichment" programs.

Area B

Psych. & Soc. Rel. E-1240c *Childhood Psychopathology

Dante Cicchetti, Ph.D., Assistant Professor of Psychology and Social Relations, Harvard University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

This course will present psychological deviations and disorders of the major childhood disturbances, emphasizing issues, theory and research. It will underscore the implications of the study of atypical populations for elucidating the normal developmental process, and discuss the influence of childhood psychopathology on adult functioning. (*Prerequisite:* At least one previous course in psychology.)

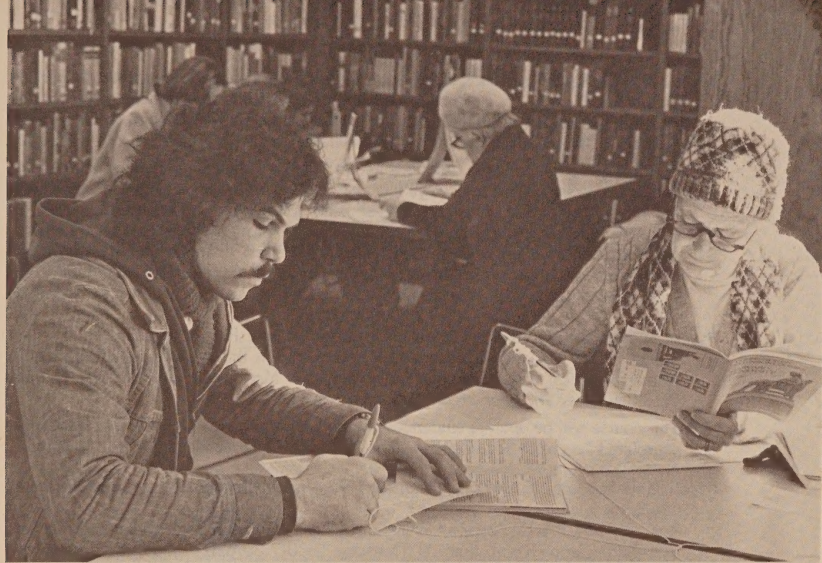
Area B

Psych. & Soc. Rel. E-1520 *Contemporary Adolescence: Cases and Concepts

George W. Goethals, Ed.D., Senior Lecturer on Psychology, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

This course will be divided into a series of lectures dealing with the concepts of adolescence from the theoretical point of view and class discussions of case material. Some background in theoretical psychology is desirable, but not required.

Area B



Psych. & Soc. Rel. E-1705 (Extension Seminar)*Theoretical and Methodological Issues in the Life Cycle and Longitudinal Research

George W. Goethals, Ed.D., Senior Lecturer on Psychology, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

This seminar, which will involve on-going research, will consider various theories that have been advanced to explain the life cycle. Longitudinal life cycle work that has been done to date will be analyzed and criticized. *Important:* Permission of instructor required. Prospective Seminar applicants should write Dr. Goethals (270 William James Hall, Harvard University, Cambridge 02138) well in advance of the opening meeting.

Area B

Psych. & Soc. Rel. E-1770 *Control in Social Settings

Ellen J. Langer, Ph.D., Associate Professor of Psychology and Social Relations, Harvard University. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 7.

This course will focus on recent advances in the area of control, with special consideration of such topics as: chance, locus of control, decision-making, freedom, self-control, and social influences evaluated from both theoretical and applied perspectives.

Area B

Psych. & Soc. Rel. E-1870 *Law and Psychology

Ellsworth A. Fersch, Ph.D., Associate in Psychiatry, Harvard University. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 30.

Comparison of legal and psychological approaches to human behavior and consideration of their interaction. Divorce and custody; involuntary commitment to mental hospitals; punishment and rehabilitation; the insanity defense; "crimes without victims."

Area B

Psych. & Soc. Rel. E-1880a *Introduction to Clinical Psychology, Part I

Daniel Perschonok, Ph.D., Lecturer on Psychology in the Department of Psychiatry, Harvard Medical School. Fall Term. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

An introduction to concepts, methods and problems of clinical psychology as a science and as a profession. The course will focus on (i) different methods of clinical assessment (interview, tests, projective techniques) used in gaining an understanding of an individual and the problems of diagnosis; (ii) different theories and techniques of psychological intervention used in effecting desired changes in an individual's adaptation (psychotherapy, behavior modification); and, (iii) models of community and social-system centered interventions used in public clinical practice. Area B

Psych. & Soc. Rel. E-1880b *Introduction to Clinical Psychology, Part II

Daniel Perschonok, Ph.D., Lecturer on Psychology in the Department of Psychiatry, Harvard Medical School. Spring Term. (Jan. 29) Monday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 210.

This course will be open to students successfully completing Part I, or to students who completed Psych. & Soc. Rel. E-1470a in the 1977-78 academic year. Area B

Psych. and Soc. Rel. E-2472 (Extension Seminar) *Psychotherapy and Personal Change

Ross C. Rizley, Ph.D., Assistant Professor of Psychology and Social Relations, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students only: \$175. Sever Hall 21.

A seminar on modern psychotherapies and behavior change techniques, including psychodynamic approaches, behavior therapy, cognitive behavior modification, family therapy, biological treatments, group and client-centered therapies. Critical review of research on the effectiveness of various therapeutic techniques. Examination of issues, problems, methods, strategies and tactics in psychotherapy research. (*Prerequisite:* Several previous courses in psychology.) Area B

See also **Social Sciences.**

Romance Languages and Literatures

The Romance Languages and Literatures Program is under the direction of Professor Wilga M. Rivers, Coordinator of Language Instruction in the Romance Languages, Harvard University.

To help students with mixed language-study backgrounds to find the most comfortable level of study, a shortened form of the *Harvard Placement Examination* (HPE) will be available to all students wishing to enroll in French, Italian, and Spanish courses above the E-A (introductory level) *who have not completed the preceding level course through Harvard Extension*, or whose years of language study elsewhere in this language do not conform with those in the course description. Students are strongly recommended to take advantage of this opportunity to match their proficiency against the level of competence required for the course in which they wish to enroll. This placement examination will also enable students previously enrolled in Harvard Extension language courses to skip a course level if the language proficiency they have warrants it.

The HPE will be offered on two occasions: Thursday, September 14, at 6 p.m. and Tuesday, September 19, at 8 p.m., in Emerson Hall. Students should attend the class which they consider appropriate to their level until the placement scores become available. The best placement for the individual student may then be discussed with

the course instructor, or students may automatically enroll in the course indicated by their placement score, as set out in the course descriptions below.

Sections for elementary and intermediate level language courses will normally be limited to 40 students. There will be multiple sections where numbers warrant it.

Language laboratory practice will accompany courses as indicated by the course instructor.

All enquiries about courses should be directed to the Extension office, *not* to the Department of Romance Languages and Literatures. Instructors will be available to answer questions in the half-hour preceding the first course meeting. They will not be available in the preceding weeks.

Cape Verdean Crioulo

Cape Verdean Crioulo E-Aa Elementary Crioulo, I

Francis M. Rogers, Ph.D., Nancy Clark Smith Professor of the Language and Literature of Portugal, Harvard University, and Manuel P. Monteiro and José Dias Évora, Scituate Public Schools. Through-Year. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 10.

For those wishing to acquire primarily an oral familiarity with the mother tongue of Cape Verdeans. No knowledge of Portuguese is assumed.

French

French E-Aa Elementary French, I (non-intensive)

Herbert H. Golden, Ph.D., Professor of Romance Languages, Boston University. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 10.

This course is intended for beginners with no knowledge of French, or students with an HPE score below 400.

Its purpose is to give students a foundation in elementary French grammatical structure through the audio-lingual approach. The development of aural comprehension and the ability to express thought orally in simple sentences will constitute the primary objective of instruction. In addition, attention will be given to reading of easy French prose and to practice in writing simple patterns of expression. *Textbook*: M. Hagiwara and F. de Rocher, *Thèmes et Variations* and *Cahier d'Exercices*.

A second section of this course will be held on Wednesday, 7:30-9:30 p.m.

French E-Ab Elementary French II (non-intensive)

Arthur C. Holmberg, Ph.D. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 29.

This course is designed for students who have completed French E-Aa Through-Year or French E-AA (Intensive Elementary French, I) or who obtain an HPE score of 400-479 or who have completed one year of high-school French or one semester of college French.

The aims of the course are further development of oral-aural skills, the reading of adapted contemporary reading material and some poetry, and increased accuracy in writing as a complement to further grammatical study. *Textbooks*: M. Hagiwara and F. de Rocher: *Thèmes et Variations* and *Cahier d'Exercices*; P. Pimsleur, *C'est la Vie*, 2nd ed.

French E-AA Intensive Elementary French, I

Marcy E. Goldman, A.M. Fall Term. (Sept. 19) Tuesday and Thursday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 19.

This course is designed for beginners (no knowledge of French) or students with an HPE score below 400. It will teach fundamental structures and vocabulary of contemporary French and develop the skills of speaking, reading and writing basic French. *Textbooks*: M. Hagiwara and F. de Rocher, *Thèmes et Variations* and *Cahier d'Exercices*.

French E-AB Intensive Elementary French, II

Marcy E. Goldman, A.M., Spring Term. (Jan. 30) Tuesday and Thursday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 19.

This course is a continuation of French E-AA. Other students who have completed French E-Aa (non-intensive) Through-Year or one year of high school French or one semester of college French or who have an HPE score of 400-479 may enroll. Further development of oral-aural skills and knowledge of grammar and vocabulary, with practice in writing. Readings introduce important aspects of modern French culture which are compared when appropriate with analogous features of American culture. *Textbooks*: M. Hagiwara and F. de Rocher, *Thèmes et Variations* and *Cahier d'Exercices*; P. Pimsleur, *C'est la Vie*, 2nd ed.

French E-Ca *Intermediate French, I

Jean-Pierre Montreuil, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Through-Year. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 11.

This course is designed for students who have completed French E-Ab Through-Year or French E-AB or obtain an HPE score of 480-539 or who have completed two years of high school French or two semesters of college French.

For students with an elementary knowledge of French, this course concentrates on further development of listening and speaking skills and the consolidation of control of French pronunciation and syntax, in association with reading and discussions of aspects of contemporary French life and institutions. *Textbooks*: R. Comeau, F. Bustin and N. Lamoureaux: *Ensemble-Grammaire*; *Ensemble-Culture et Société*; *Ensemble-Littérature* and Lab Manual.

French E-Cb *Intermediate French, II

Ruth P. Weinreb, Ph.D. Through-Year. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 10.

This course is designed for students who have completed French E-Ca Through-Year or who obtain an HPE score of 540-599 or who have completed three years of high school French or two semesters of college French.

Further development of the ability to understand and speak French and to read and write well in the context of readings from the 19th and 20th centuries. Strong emphasis on conversation. *Textbook*: R.P. Weinreb, *Visions et révisions: le*

français (grammar review and readings in the humanities, social sciences, and other fields).

French E-Da *Advanced French, I: Dimensions of the Moral Choice: Quandary, Counterfeit, and Paradox

Shayndel Freiberg-Feuerstein, M.A. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 29.

This course is designed for students who have completed French E-Cab Through-Year or E-Cb Through-Year, or who obtain an HPE score of 600, or who have completed four years of high school French and two years of college French.

This course is designed with the dual objective of developing verbal fluency in modern idiomatic French and enhancing proficiency in literary materials. Role playing improvisations, extensive vocabulary building, and grammar exercises culled from the readings serve as a point of departure. *Textbooks*: L.F. Hoffman, *L'Essential de la grammaire française*; G. de Maupassant, *Contes/Pierre et Jean*; H. de Balzac, *Le Colonel Chabert*; G. Apollinaire, *Calligrammes*; S. de Beauvoir, *Le Femme rompu*; E. Ionesco, *Les Chaises*.

French E-Db *Advanced French, II: Dimensions of the Moral Choice: Quandary, Counterfeit, and Paradox

Shayndel Freiberg-Feuerstein, M.A. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 29.

This course is a continuation of French E-Da. Other students with an HPE score of 650 or with the consent of the instructor will be admitted. *Textbooks*: L.F. Hoffman, *L'Essential de la grammaire française*; G. Simenon, *Maigret et la vieille dame*; A. Camus, *La Chute*; E. Ionesco, *Rhinoceros*; Renouir, *La Grande Illusion*; Vercors (Bruller), *La Bataille du silence*.

French E-Dc *French Oral Survival Course

Robert Frye, M.A., Instructor in French, Wellesley College. Spring Term. (Jan. 31) Wednesday, 7:30-9:30 p.m. 3 units. Credit and non-credit students: \$100, including language laboratory fee. Limited to 20 students. Sever Hall 24.

This course is designed for students who have completed French E-Cab Through-Year or E-Cb Through-Year or E-Da Fall Term or who obtain an HPE score of 600 or who have completed four years of high school French or two years of college French. *Note*: Oral facility in French is *not* a prerequisite.

This course emphasizes speaking and understanding spoken French in a context of the life, institutions, and culture of modern French and other French-speaking areas. Develops oral facility in French and ability to understand authentic conversational French. *Textbook*: Roman Colbert, *A Brief French Reference Grammar*, and contemporary materials distributed by the instructor.

French E-Ea *The Short Story in Nineteenth Century France

Anne W. Stern, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Sever Hall 24.

This course is designed for students who have completed French E-Dab or French E-Dc or an equivalent course. Other students with an advanced level of competence in French will be admitted with the consent of the instructor.

The short story is an effective instrument for the depiction of reality as well as for portraying the supernatural, the marvelous and the fantastic. In our discussions, special emphasis will be given to the structural and stylistic analysis of the material. Readings include short fiction by Nodier, Stendhal, Mérimée, Balzac, Gautier,



Flaubert, Nerval, d'Aureville, de Maupassant, Zola, and Daudet. Students will also have the opportunity to write a short story of their own. *Textbook: The French Short Story in the Nineteenth Century*, Murray Sachs, ed., Oxford University Press.

French E-Eb *The Short Story in Twentieth Century France

Anne W. Stern, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 24.

This course is a continuation of French E-Ea. Other students with an equivalent competence in French will be admitted with the consent of the instructor.

A short story can teach us something about literature in general while revealing the secrets of its own operation. Readings in short fiction, chosen to illustrate a wide range of forms, include: Gascar, *Le Chat*; Sartre, *Le Mur*; Mallet-Joris, *L'Air des Clochettes*; Camus, *Jonas*; de Ghelderode *Le Jardin malade*; Robbe-Grillet, *La Chambre secrète*; Becket, *L'Expulsé*; Vian, *Les Pompiers* and *Le Retraité*; Marceau, *Contre remboursement*; Le Clézio, *Alors de pourrai trouver la paix et le sommeil*. Textbook to be announced.

French E-F *French Pronunciation through Playreading

Ilona Ricardo, Ph.D., Lecturer in Modern Languages, Massachusetts Institute of Technology. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 2.

This course is designed for students who have completed French E-Dab or French E-Dc or an equivalent course. Other students with an advanced knowledge of French will be admitted with the consent of the instructor.

The course will teach French pronunciation, stress, and intonation through the reading of dramatic texts, monologues, and poetry. Short scenes may be acted out in class; extracts from monologues and simple direct poetry will be recited. The rules of pronunciation will be discussed throughout. Emphasis will be on expressiveness and the communication of meaning. All class discussion will be in French. *Textbooks*: J.G. Benay and R. Kuhn, *Panorama du théâtre nouveau*, vol. 3; Jacques Prévert, *Prévert vous parle...*; P. Delattre, *Principes de phonétique française*.

French E-G *Advanced Written and Oral Expression

Ilona Ricardo, Ph.D., Lecturer in Modern Languages, Massachusetts Institute of Technology. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 2.

This course is designed for students who have completed French E-Dab or French E-Dc or an equivalent course. Other students with an advanced knowledge of French will be admitted with the consent of the instructor.

The course offers training in conversation and composition in the contemporary French style. There will be readings and discussions of French newspaper articles, alternated by compositions, at home and in class, about current topics. It is designed for students who desire to put their theoretical knowledge to practical everyday use. The class will be conducted in French. *Textbooks*: J. and B. Morton, *La Presse II*; R. Queneau, *Exercices de style*.

French E-121d *The French Novel of Social Realism from Lesage to Balzac

Robert W. Sayre, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$80. Sever Hall 19.

Readings in the 18th and early 19th century novelistic tradition of social realism, including works by Lesage, Marivaux, Restif de la Bretonne, Stendhal and Balzac. The course will principally involve intensive class discussion of five novels, with attention to their representation of social reality. Conducted in French.

For students who have completed French E-Da or more advanced language courses, and for others with a good reading and speaking knowledge of French.

Area C

Italian

Italian E-Aa Elementary Italian, I (non-intensive)

Anthony J. DeVito, Ph.D., Professor of Romance Languages, Boston University. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 20.

This course is intended for beginners (no knowledge of Italian) or students with an HPE score below 400.

Its purpose is to present the essential principles of Italian grammar and to provide a foundation for basic conversation and for an ability to read the language. *Textbook*: V. Traversa, *Parola e Pensiero*, and accompanying workbook.

Italian E-Ab Elementary Italian, II (non-intensive)

Antonio DiSanzo, Ph.D. Through-Year. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 20.

This course is designed for students who have completed Italian E-Aa Through-Year or Italian E-AA or who obtain an HPE score of 400-479 (roughly equivalent to one year of high school Italian or one semester of college Italian).

The aims of the course are further development of oral-aural skills; the reading of adapted contemporary material and some poetry; and increased accuracy in writing as a complement to further grammatical study. *Textbook*: V. Traversa, *Parola e Pensiero*, and accompanying workbook.

Italian E-AA Intensive Elementary Italian, I

Rena A. Lamparska, M.A. Fall Term. (Sept. 19) Tuesday and Thursday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 13.

This course is designed for beginners (no knowledge of Italian) or students with an HPE score below 400.

The aims of the course are: (1) basic oral expression, (2) listening comprehension, and (3) elementary reading and writing. Conducted in Italian. *Textbook*: V. Traversa, *Parola e Pensiero*, and accompanying workbook.

Italian E-AB Intensive Elementary Italian, II

Rena A. Lamparska, M.A. Spring Term. (Jan 30) Tuesday and Thursday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 13.

This course is a continuation of Italian E-AA. Other students who have completed Italian E-Aa (non-intensive) Through-Year or one year of high school Italian or one semester of college Italian or who have an HPE score of 400-479 may enroll in the course.

Further development of oral-aural skills and knowledge of grammar and vocabulary. Reading of adapted contemporary material. Practice in writing. Conducted in Italian. *Textbook*: V. Traversa, *Parola e Pensiero*, and accompanying workbook.

Italian E-Ca *Intermediate Italian, I

Giuseppe M. Zaccagnini, A.M. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including laboratory language fee. Sever Hall 13.

This course is designed for students who have completed Italian E-Ab Through-Year or Italian E-Ab or who obtain an HPE score of 480-539 (roughly equivalent to two years of high school Italian or two semesters of college Italian).

For students with an elementary knowledge of Italian, this course concentrates on further development of listening and speaking skills and the consolidation of control of Italian syntax and pronunciation, in association with selected readings and composition. *Textbooks*: C. Speroni and C. Golino, *Leggendo e Ripassando*; I. Olken, ed., Pirandello, *Vestire gli ignudi*; *L'altro figlio*; *L'uomo dal fiore in bocca*—all three in one volume (Mondadori).

Italian E-Cb *Intermediate Italian, II

Giuseppe M. Zaccagnini, A.M. Through-Year. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including laboratory language fee. Sever Hall 13.

This course is designed for students who have completed Italian E-Ca1 Through-Year or who obtain an HPE score of 540-599 (roughly equivalent to three years of high school Italian or two semesters of college Italian).

Further study of Italian grammar, with emphasis on oral presentations, translations, and selected readings. *Textbooks:* C. Speroni and C. Golino, *Leggendo e Ripassando*; I. Olken, ed., *Racconti del Novecento: Forti e deboli*; Pavese, *La belle-estate* (Mondadori); Sciascia, *A ciascuno il suo*, ed. by F. Magri (Houghton Mifflin).

Italian E-Dab *Dante's Divine Comedy

Nicolae Iliescu, Dr. Lett., Ph.D., Professor of Romance Languages and Literatures, Harvard University. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$80. Sever Hall 13.

A close reading of selected cantos for the purpose of stressing the fundamental problems the reader has to take into consideration in dealing with the *Divine Comedy*. Dante's concept of poetry, his vision of life and of history (ancient and contemporary) will be stressed during the reading of the poem. The course will be conducted in English and knowledge of Italian is not a prerequisite. *Text suggested:* The bilingual edition of the *Divine Comedy* with Charles S. Singleton's English version (Princeton University Press, 1970), 3 vols. or the bilingual edition with the English version by Dorothy Sayers (Penguin Books), 3 vols. Area C

Portuguese

Portuguese E-AA Intensive Elementary Portuguese, I

Naomi H. Moniz, M.A. Fall Term. (Sept. 18) Monday and Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 20.

A complete basic Portuguese course for students with no knowledge of Portuguese. Conducted in Portuguese. *Textbook:* *Modern Portuguese* (MLA).

Portuguese E-AB Intensive Elementary Portuguese, II

Naomi H. Moniz, M.A. Spring Term. (Jan 29) Monday and Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 20.

This course is a continuation of Portuguese E-AA. Other students may be admitted with consent of the instructor. *Textbook:* *Modern Portuguese* (MLA).

Portuguese E-Ca *Intermediate Portuguese, I

Noël W. Ortega, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee.

This course is designed for students who have completed Portuguese E-A Through-Year or the equivalent. For students with an elementary knowledge of Portuguese, this course concentrates on further development of listening and speaking skills and the consolidation of control of Portuguese syntax and pronunciation. Conversational Portuguese will be stressed. Part of the class will be based on materials provided by the instructor. *Textbook:* Dias-Lathrop, *Portugal-Língua e Cultura*.

Romance Philology

Romance Languages E-201 *Theory and Practice of Foreign or Second Language Teaching

Wilga M. Rivers, Ph.D., Professor of Romance Languages and Literatures, Harvard University Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Boylston Hall 10.

This course will be open to teachers or future teachers of any language. It will deal with the theoretical background to the choice and achievement of objectives in foreign language teaching: the nature of language learning in relation to listening, speaking, reading, writing, and the improvement of pronunciation; approaches to the study of literature and culture; testing; criteria for the selection of textbooks; the use of technology; and recent experimentation in language teaching. *Textbooks*: W.M. Rivers, et al., *Practical Guides to the Teaching of French/German/Spanish/ or English as a Second or Foreign Language*; W.M. Rivers, *Teaching Foreign Language Skills*; W.M. Rivers, *Speaking in Many Tongues*, exp. 2nd. ed.

Area C

Spanish

Spanish E-Aa Elementary Spanish, I (non-intensive)

Joseph Figurito, D.M.L., Associate Professor of Romance Languages and Literatures, Boston College. Through-Year. (Sept. 18) Monday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Boylston Hall 10.

This course is intended for beginners (no knowledge of Spanish) or students with an HPE score below 400. It gives a thorough training in the essentials of Spanish grammar, vocabulary and pronunciation, together with the reading of simple prose and poetry. Descriptive matter deals with Spain and Spanish-American countries. This course provides the necessary foundation for those who wish to use Spanish for literary or commercial purposes, or for travel. *Textbook*: E. Neale-Silva and R.L. Nicholas, *En Camino!* (Scott, Foresman).

A second section of this course will meet on Monday at 5:30 p.m. in Sever Hall 8.

Spanish E-Ab Elementary Spanish, II (non-intensive)

Sandra Hewitt, M.A., Teaching Fellow in Romance Languages and Literatures, Harvard University. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee.

This course is designed for students who have completed Spanish E-Aa Through-Year or Spanish E-AA (Intensive Elementary Spanish, I) or who obtain an HPE score of 400-479 or who have completed one year of high school or one semester of college Spanish.

The aims of the course are further development of oral-aural skills, the reading of adapted contemporary reading material and some poetry, and increased accuracy in writing as a complement to further grammatical study.

Spanish E-AA Intensive Elementary Spanish, I

Juan Mendez-Herrera, Ph.D. Fall Term. (Sept. 18) Monday and Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 8.

This course is designed for beginners (no knowledge of Spanish or an HPE score below 400).

The purpose of the course is a progressive acquisition of the skills for oral communication. This audio-lingual approach is supplemented with elementary readings and basic writing. In addition to class activities and homework, a minimum of two hours of laboratory attendance is required. *Textbooks*: E. Neale-Silva and R.L. Nicholas, *En Camino!* (Scott, Foresman); R. Esquenazi-Mayo, *Esencia de Hispanoamerica* (Holt, Rinehart).

Spanish E-AB Intensive Elementary Spanish, II

Juan Mendez-Herrera, Ph.D. Spring Term. (Jan. 29) Monday and Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 8.

This course is a continuation of Spanish E-AA. Other students who have completed Spanish E-Aa (non-intensive) Through-Year or one year of high school Spanish or one semester of college Spanish, or who have an HPE score of 400-479 may enroll in the course.

Further development of oral-aural skills and knowledge of grammar and vocabulary, with practice in writing. Readings will concentrate on modern Spanish prose. In addition to class activities and homework, a minimum of two hours of laboratory attendance is required. *Textbooks*: E. Neale-Silva and R.L. Nicholas, *En Camino!* and G.W. Andrian, *Modern Spanish Prose*.

Spanish E-Ca *Intermediate Spanish, I

Ricardo López-Landy, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University, and staff. Through-Year. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 14.

This course is designed for students who have completed Spanish E-Ab Through-Year or who obtain an HPE score of 480-539 or who have completed two years of high school Spanish or two semesters of college Spanish.

For students with an elementary knowledge of Spanish, this course concentrates on further development of listening and speaking skills and the consolidation of control of Spanish syntax and pronunciation, in association with reading and discussion of aspects of contemporary Hispanic life and institutions. *Textbooks*: Turk and Espinosa, *Mastering Spanish*; Wegmann and Kiddle, *Perspectivas*.

Spanish E-Cb *Intermediate Spanish, II

Ricardo López-Landy, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University, and staff. Through-Year. (Sept. 21) Thursday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 8.

This course is designed for students who have completed Spanish E-Ca Through-Year or who obtain an HPE score of 540-599 or who have completed three years of high school Spanish or two semesters of college Spanish.

Further development of the ability to understand and speak Spanish and to read and write well in the context of readings about the culture and institutions of Spanish-speaking America. *Textbooks*: Turk and Espinosa, *Mastering Spanish*; Luis Leal, *Cuentistas hispanoamericanos del siglo veinte*.

Spanish E-Da *A House with Two Windows: Readings from Spain and Latin America, I

Elizabeth B. Davis, Ph.D. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 3 units. Credit and non-credit students: \$100, including language laboratory fee. Limited to 20 students. Sever Hall 8.

This course is designed for students who have completed Spanish E-Cab Through-Year, or Spanish E-Cb Through-Year, or who obtain an HPE score of 600, or who have completed four years of high school Spanish or two years of college Spanish.

The course will emphasize the achievement of superior reading, speaking and writing skills. Selected readings by Spanish and Latin American writers will serve as a basis for class discussion, role-playing, and oral and written reports. Textbooks: *Cinco maestros: cuentos modernos de Hispanoamérica*, A. Coleman, ed.; "La cabeza del cordero" y otros cuentos, Francisco Ayala; *La casa de Bernarda Alba*, F. García-Lorca; selected poetry readings; *Lengua Hispánica Moderna*, Neale, Silva and Nelson.

Spanish E-Ea *Hispanic Literature and Civilization, I

Solita S. Marichal, Ph.D. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 29.

This course is designed for students who have completed Spanish E-Dab or an equivalent course. Other students with an advanced level of competence in Spanish will be admitted with the consent of the instructor.

Reading and discussion of representative works by major authors of the Second Golden Age of Spain (1898-1936): Unamuno, Baroja, Azorín, Valle-Inclán, Antonio Machado, Ortega, Juan Ramón Jiménez, Pedro Salinas, Jorge Guillén, García-Lorca and Aleixandre.

Spanish E-Eb *Hispanic Literature and Civilization, II

Ricardo López-Landy, Ph.D., Assistant Professor of Romance Languages and Literatures, Harvard University. Spring Term. (Jan. 29) Monday, 5:30-7:30 p.m. 3 units. Credit and non-credit students: \$100. Limited to 20 students. Sever Hall 29.

This course is designed for students who have completed Spanish E-Ea. Other students with an advanced level of competence in Spanish will be admitted with the consent of the instructor.

The course is a study of representative Spanish novels of the 20th century. Class discussions will be conducted in Spanish. Textbooks: Baroja, *Camino de perfección*; Unamuno, *San Manuel Bueno, mártir*; Valle-Inclán, *Sonetas*; Laforet, *Nada*. (Any additional texts will be announced during the first class meeting.)

Spanish E-Db *A House with Two Windows: Readings from Spain and Latin America, II

Elizabeth B. Davis, Ph.D. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 3 units. Credit and non-credit students: \$100, including language laboratory fee. Limited to 20 students. Sever Hall 8.

This course is a continuation of Spanish E-Da. Other students with an HPE score of 650 or with the consent of the instructor will be admitted.

Readings by Spanish and Latin American writers and continued development of oral and written language skills. Textbooks: Continued use of *Cinco maestros* and *Lengua Hispánica Moderna*. Readings in prose and poetry to be announced at first session.

Slavic Languages and Literatures

Polish

Slavic E-Da *Elementary Polish

Rena A. Lamparska, M.A. Through-Year. (Sept. 20) Wednesday, 7:30-9:30 p.m. 4 units. Credit and non-credit students: \$90, including language laboratory fee. Sever Hall 30.

Grammar with exercises. Elementary conversation.

Slavic E-Db *Intermediate Polish

Anita Leyfell, M.A. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Sever Hall 8.

For students with an elementary knowledge of Polish, this course will emphasize comprehension of written and spoken Polish. Reading and discussions of aspects of contemporary Polish life. Active use of conversational Polish in class. Integrated grammar review.

Russian

Slavic E-A *Elementary Russian

Victoria Koff, M.A., Teaching Assistant in Slavic, Harvard University. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 5.

Essentials of grammar. Practice in basic patterns of simple conversation and in correct pronunciation. Reading of annotated text. Additional hours for practice conversation will be available.

Slavic E-B *Second-Year Russian

Olga T. Yokoyama, D.D.S., Instructor in Slavic, Harvard University. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Sever Hall 14.

The second-year course will finish the study of basic grammar not covered during the first year, together with extensive reading in Russian, both fiction and non-fiction. Additional hours for practice conversation are available. (*Prerequisite*: Slavic E-A, or equivalent.)

Slavic E-Hb *Advanced Russian Reading and Conversation

Patricia R. Chaput, A.M., Instructor in Humanities, Massachusetts Institute of Technology. Through-Year. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit and non-credit students: \$95, including language laboratory fee. Harvard Hall 103.

This course is designed to bring students of varying backgrounds to a level of relative ease in reading and understanding Russian. It is suitable for students who wish to develop reading skills only, and for those who also desire conversational ability. The main focus of the course will be on advanced grammar and vocabulary building through extensive reading and an examination of the principles of Russian word formation. Readings will include selections from Russian literature, newspapers, and historical writings. Class will be conducted in English.

Two additional hours per week of oral practice will be scheduled for those students who wish to work on oral skills, using exercises based on class readings. Students who desire practice in writing may make special arrangements with the instructor. (*Prerequisite:* Slavic E-B, E-Ha or the equivalent [approximately one year of college Russian or an introductory course in Russian for reading].)

Slavic E-101 *Advanced Russian Tutorial

Elena Semeka-Pankratov, *Kand. Nauk*, Assistant Professor of Slavic and Eastern Languages, Boston College. Through-Year. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students only: \$90, including language laboratory fee. Sever Hall 19.

The object of this course is to increase the students' fluency in conversational Russian as well as to improve their knowledge of basic grammar. Students will be required to do written and oral translations from and into Russian. Extensive use of the language laboratory and tape recordings will be made. Readings in Russian civilization, and of original texts from 19th and 20th century Russian authors. (*Prerequisite:* Second-year Russian or its equivalent.)

Area C

Social Sciences

Social Sciences E-139b *Advanced Workshop on Modern Russia

Janet G. Vaillant, Ph.D., Program Coordinator of the Soviet and East European Languages and Area Center, Harvard University, and associates. Spring Term. (March 3) Saturday, 9:00 a.m.-1:00 p.m. 2 units. Credit students \$40; non-credit \$25. Hilles Library.

This advanced workshop is designed exclusively for teachers. Topics covered will include political and social history, economics, and literature. (*Note:* this course will have four sessions: March 3 and 17; April 7 and 20.)

Area B

Social Sciences E-141e *Health Care Issues for the Individual and Family

G. Timothy Johnson, M.D., Clinical Instructor in Medicine, Harvard University, and guest lecturers. Spring Term. (April 3) Tuesday, 7:30-9:30 p.m. 2 units. Credit students only: \$45. Science Center D.

This eight-session course will provide both information and practical knowledge relevant to personal and family health care. The topics to be covered include heart disease, cancer, stroke and hypertension, issues in women's health, emotional disorders, first aid in the home, collapse and cardio-pulmonary resuscitation (CPR). A summary session will include advice on planning self-care health programs for individuals.

(*Note:* Non-credit registrations for this course will be handled by the Center for Lifelong Learning, Lehman Hall B-3, Harvard University, 495-4973.)

Area B

Social Sciences E-142a *Preventive Medicine, Part II

Nicholas Fiumara, M.D., Visiting Lecturer on Infectious Diseases, Harvard School of Public Health, Academic Advisor. Fall Term. (Sept. 19) Tuesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Harvard Hall 201.

This course will address itself to the ways and means of gaining and maintaining good health. Two approaches to preventive medicine will be considered. One is the individual responsibility in environmental and behavioral factors which influence health in daily living; the other is the maintenance of health surveillance through medical procedures and the correction of significant changes of certain parameters of human functioning.

This course is given in association with the Massachusetts Medical Society Auxiliary. Mary Terzian Killelea, A.B. in Extension Studies, '74, is course coordinator and moderator. Area B

Social Sciences E-142d *Styles of Family Living

Edward J. Rolde, M.D., S.D., Lecturer on Behavioral Sciences in the School of Public Health, Harvard University, Academic Advisor. Fall Term. (Sept. 19) Tuesday, 7:30-9:00 p.m. 2 units. Credit students \$40; non-credit \$25. Harvard Hall 201.

This course will focus on various family life styles and how these life styles affect individual family members. Emphasis will be on changing values, mores, and social norms, and how they have affected the fabric and structure of family life. Guest lecturers will offer differing viewpoints and expertise on the significant areas of concern.

This course is given in association with the Massachusetts Medical Society Auxiliary. Mary T. Killelea, A.B. in Extension Studies, '74, is coordinator and moderator of the course. Area B

Social Sciences E-146 *Emotions and Relationships in Women's Lives

Sophie Freud Loewenstein, Ph.D., Professor of Social Work, Simmons College. Spring Term. (Jan. 30) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 105.

Women define themselves through relationships with parents, siblings, friends, male and female lovers, husbands, children, and through their relationships to their work. This course will explore the interplay of these relationships with the emotions they inspire, such as passion, affection, narcissism, masochism, hostility, jealousy and depression. Extensive readings will be drawn from fiction, autobiographies, psychiatric and social science literature. Class discussions will be an important part of the course. Area B

Social Sciences E-154c *Child Development: A Social Policy Approach

Edward J. Rolde, M.D., S.D., Lecturer on Behavioral Sciences in the School of Public Health, Harvard University. Spring Term. (Jan. 31) Wednesday, 7:30-9:00 p.m. 2 units. Credit students \$40; non-credit \$25. Harvard Hall 202.

After a brief review of current views of child development, this course will focus on the effects of development on later personality, the development of sexuality, the predisposition to delinquency, and family breakdown and custody. The central theme of the course will be the consideration of how the adult world uses its knowledge, or lack of knowledge, of child development to decide how to guide children, and the problems presented to society of translating child development views into law, social control, and social policy. Area B

Social Sciences E-158c *Law and Ethics: Making the Moral Decision

Walter J. McCann, J.D., Lecturer on Education, Harvard University. Spring Term. (Jan. 31) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Emerson Hall 101.

This course will explore how the legal system copes with moral ambiguity and controversial ethical questions. Through readings of major cases concerning such issues as abortion, pacifism, "reverse discrimination," and sexual conduct, the course will try to outline the way in which controversial issues reach the court and are resolved. Students will be asked to evaluate decisions from legal and ethical perspectives. The course seeks to cultivate a basic understanding of how legal analysis approaches ethical dilemmas, and the impact of law in our society. Area B

Social Sciences E-170d *Social Theory and Social Policy: A Radical Perspective

David G. Gil, D.S.W., Professor of Social Policy, Brandeis University. Fall Term. (Sept. 19) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

This course explores the origins and dynamics of social policies from a holistic, evolutionary perspective. Policies will be viewed as chains of choices made throughout history by human groups to shape their manifold relations and the quality of their existence by developing resources, allocating roles and distributing rights to goods and services. The course will trace these processes from bio-psycho-social roots in human needs experienced in a context of relative scarcities. These considerations will lead into a study of a conceptual model of social policies, the forces shaping their evolution, and of a general framework for analyzing existing policies, and generating alternative policies and policy systems. Area B

Social Sciences E-170g *Studies in Theories of Political Action

David G. Gil, D.S.W., Professor of Social Policy, Brandeis University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 17.

This course will explore aspects of an evolving theory of political action aimed at transforming the existing human context on local, translocal and world-wide levels into a transnational order conducive to the survival of the human species, and the actualization of the intrinsic potentialities of all humans in their diverse groupings. The overall conception of social policies and of political action underlying the seminar is holistic and evolutionary. The general working hypothesis is that the values and organizing principles, and the basic institutional structures and dynamics of social systems are largely shaped by human choices, and need therefore be considered as *Variables* adjustable to newly selected goals by any generation of humans, rather than as *Constants* beyond the reach of human reason and action. This seminar will build on concepts developed in the Fall course, *Social Theory and Social Policy: A Radical Perspective*. Area B

Social Sciences E-175 *The Holocaust and the Phenomenon of Genocide

Erich Goldhagen, M.A., Visiting Lecturer on Church History, Harvard University. Fall Term. (Sept. 19) Tuesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$35. Harvard Hall 102.

A study of the Holocaust and other attempts at exterminating entire groups. The main themes of the course will be: modern anti-Semitism and the particular form it took in the Nazi movement; the successive stages of persecution that preceded the Final Solution; the art of degradation; the social machinery of extermination and the social psychology of the world of the executioners; the social life, the lore and ethos of the ghettos and the concentration camps; the attitudes of the Gentile neighbors and the churches; an analytical comparison of the Holocaust with the massacres of the Armenians, of Indians and African tribes and of other groups. Area B

Social Sciences E-182c *Understanding Adolescence

Carol Gilligan, Ph.D., Assistant Professor of Education, Harvard University, Academic Advisor. Spring Term. (Jan. 30) Tuesday, 5:30-7:00 p.m. 2 units. Credit students \$40; non-credit \$25. Harvard Hall 201.

This course will examine one of the dramatic periods of the life cycle as it relates to the responsibilities of the adolescent, the parent, the teacher, and others in society. Understanding adolescence via the psychological, physiological, social, environmental and economic factors will be discussed by professionals in their respective fields. The influence of current attitudes, mores and behaviors will be considered, and attention



will be given to means of mutual understanding and communication between adults and adolescents.

This course is given in association with the Massachusetts Medical Society Auxiliary. Mary Terzian Killelea, A.B. in Extension Studies, '74, is course coordinator and moderator. Area B

Social Sciences E-192 *The Dynamics of Social Systems

Gilbert W. Low, Ph.D., Assistant Professor of Management, Massachusetts Institute of Technology. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 5.

This course will focus on system dynamics as a world view, by showing how certain structural principles, such as causality, feedback and accumulation, underlie a diversity of real processes. For example, urban growth, medicine, industrial management, economics and ecology are usually seen as separate fields of analysis, requiring specialized training and methodologies. Yet one can identify generic structures that underlie these different disciplines and cause similar behavior patterns. The purpose of the course is to develop an awareness of these generic structures and dynamics, thereby influencing the questions we ask as much as the solutions we seek. Area B

See also **Psychology and Social Relations.**

Sociology

Sociology E-102c *Classic Social Theories

Elliott A. Krause, Ph.D., Professor of Sociology, Northeastern University. Spring Term. (Feb. 1) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 24.

The classic social thinkers had both an impact on their own time and influenced the ways in which we think about society today. But their ideas are as controversial now as then. We will trace the main outlines of the theories of Darwin, Marx, Weber, and Durkheim, and then explore their relevance to issues today: Darwin and the sociobiology controversy, Marx and the role of large corporations, Weber and the Bakke case, and Durkheim and mental illness in a society of "singles." Area B

Sociology E-110a *The Community in America

Martin D. Lowenthal, Ph.D., Assistant Professor of Sociology, Boston College. Fall Term. (Sept. 20) Wednesday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Harvard Hall 202.

This course will explore the nature of human communities in America and the changing patterns of community life. Attention will be given to classical studies of American communities as well as the examination of current theoretical approaches to the subject. New frameworks will be developed for community analysis that can be used in community studies and community development activities. Among the topics to be covered will be intentional communities and communes. Area B

Sociology E-117a *Crime and Delinquency

Sanford M. Sherizen, Ph.D., Associate Professor of Sociology, Boston University. Spring Term. (Jan. 30) Tuesday, 7:30-9:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 18.

Introduction to the phenomena of crime, viewed sociologically, historically, and cross-culturally. Evaluation of current theories and research on crime causation, including individualistic as well as structural approaches. Examination of the criminal justice system with information on European alternatives to imprisonment as potential models for change. Area B

Sociology E-118 *The Sociology of Occupations

Elliott A. Krause, Ph.D., Professor of Sociology, Northeastern University. Fall Term. (Sept. 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Sever Hall 24.

Occupations and careers will be viewed from four perspectives: the historical, the biographical or career decision making, the division of work into fields, and problems of career advancement within the existing opportunity structure. The socio-economic and political context of work will be inspected in detail. The issue of women's work will be a major focus. Area B

Spanish

See Romance Languages.

Statistics

See **Mathematics**.

The Study of Religion

Applied Theology E-164 *Theology of Perception

William R. Rogers, Ph.D., Parkman Professor of Divinity, Harvard University. Fall Term. (Sept. 20) Wednesday, 3:00-5:00 p.m. 3 units. Credit students \$60; non-credit \$35. Room assignment available at registration.

An exploration of historical, theological and psychological understandings of perception, spatial form and symbol, with special attention to issues of illusion, imagination, cognition and creativity. Application will be made to forms of worship and innovation in counseling. Area C

Church History E-135 *The Protestant Reformation

Ian D.K. Siggins, Ph.D., Visiting Lecturer in Church History, Harvard University. Fall Term. (Sept. 18) Monday, 5:30-7:30 p.m. 3 units. Credit students \$60; non-credit \$35. Sever Hall 17.

The state of European Christianity on the eve of the Reformation; Luther's break from Rome; the teachings of the major reformers, Luther, Zwingli, Calvin, Menno, and others; Catholic reactions; controversies within Protestantism; the institutionalizing of the reform movement, and its impact on the evolution of modern Europe. Area C

History of Religion E-101a *History of Western Religions

Allan Lazaroff, Ph.D., Associate Professor of Religion, Boston University. Fall Term. (Sept. 21) Thursday, 7:30-9:30 p.m. 3 units. Credit students \$60; non-credit \$35. Harvard Hall 103.

The development of Judaism, Christianity and Islam, their origins in the ancient Near East, their common and distinguishing characteristics, major intellectual and social movements, dominant figures and culture. The course will conclude with a discussion of the contemporary status of these world faiths. Area C

Old Testament E-100a *Introduction to the Bible

Michael D. Coogan, Ph.D., Assistant Professor in Old Testament, Harvard Divinity School. Fall Term. (Sept. 18) Monday, Wednesday, and Friday, 2:00-3:00 p.m. 3 units. Credit students \$60; non-credit \$35. Room assignment available at registration.

Introduction to the study of the literature of Israel and of her conceptual and institutional traditions prior to ca. 950 B.C. The progress of Western scholarship in interpreting Israel's literature historically, in fitting it into the cultural continuum of antiquity, and in comprehending the significant elements of Israel's religion which have played an important role in Western cultural history. Area C

Old Testament E-100b *Introduction to the Bible

Paul D. Hanson, Ph.D., Professor of Old Testament, Harvard Divinity School. Spring Term. (Jan. 31) Monday, Wednesday, and Friday, 2:00-3:00 p.m. 3 units. Credit students \$60; non-credit \$35. Room assignment available at registration.

Literary, political and religious history of Israel between the 10th and 2nd centuries B.C., with concentration on the phenomenon of the Hebrew prophetic institutions, which rose with the establishment of monarchy in Israel and provided commentary on Israel's involvement in the successive imperialisms of Aram (9th century), Assyria (8th-7th centuries), and Babylonia (7th-6th centuries). The restoration after destruction and the development of Judaism between the 6th and 2nd centuries B.C. Area C

Old Testament E-103a *Theology of the Old Testament

Paul D. Hanson, Ph.D., Professor of Old Testament, Harvard Divinity School. Fall Term. (Sept. 20) Tuesday and Thursday, 9:00-10:00 a.m. 3 units. Credit students \$60; non-credit \$35. Room assignment available at registration.

A study of the development of Israel's confessional heritage, with attention to the interaction between tradition and new events, the polarity between visionary and pragmatic perspectives and the influence of neighboring religions. Questions raised by the Bible's bearing on contemporary theological and ethical thought will be discussed, e.g., the significance of theological diversity in the Old Testament, the use of conceptual models, and the meaning of canon and biblical authority. Area C

Visual and Environmental Studies

VES E-20a Introduction to Pictorial Design

Albert Alcalay, Lecturer on Visual and Environmental Studies, Harvard University. Through-Year. (Sept. 21) Thursday, 6:30-9:15 p.m. 6 units. Credit students \$130; non-credit \$90. Carpenter Center, 4th floor studio.

General introductory work in two and three dimensions, including elementary painting, with primary objectives those of creating a plastic sensibility and an awareness of the visual world. By using means of investigating the primary elements of constructive experience, students will start to understand the nature, property and behavior of these visual and physical factors and in the workshop environments will test them in a disciplined variety of ways. Form and color, as basic organizational elements in the visual world, will be thoroughly investigated. Discussions and slide lectures, relating to contemporary thought and artistic expression, will also be an organic part of this visual education. Area C

VES E-120a *Advanced Visual Design

Albert Alcalay, Lecturer on Visual and Environmental Studies, Harvard University. Through-Year. (Sept. 19) Tuesday, 6:30-9:15 p.m. 6 units. Credit students \$130; non-credit \$90. Carpenter Center, 4th floor studio.

This course will help students in formulating visual problems, encouraging the maximum inventiveness in their solution. Nature and property of materials on the higher level of their usefulness in a creative process, color in the environment, light as a phenomenal new element, motion, transparency, kinetics and many other visual aspects of this modern visual world will be investigated. The course will be an ideal meeting place for students of the architectural sciences, graphic design, painting, cinema and other activities, and the general student with talent to exchange their views. Discussions and slide lectures will be a natural part of these studies. (*Prerequisite:* previous notions of basic design.) Area C

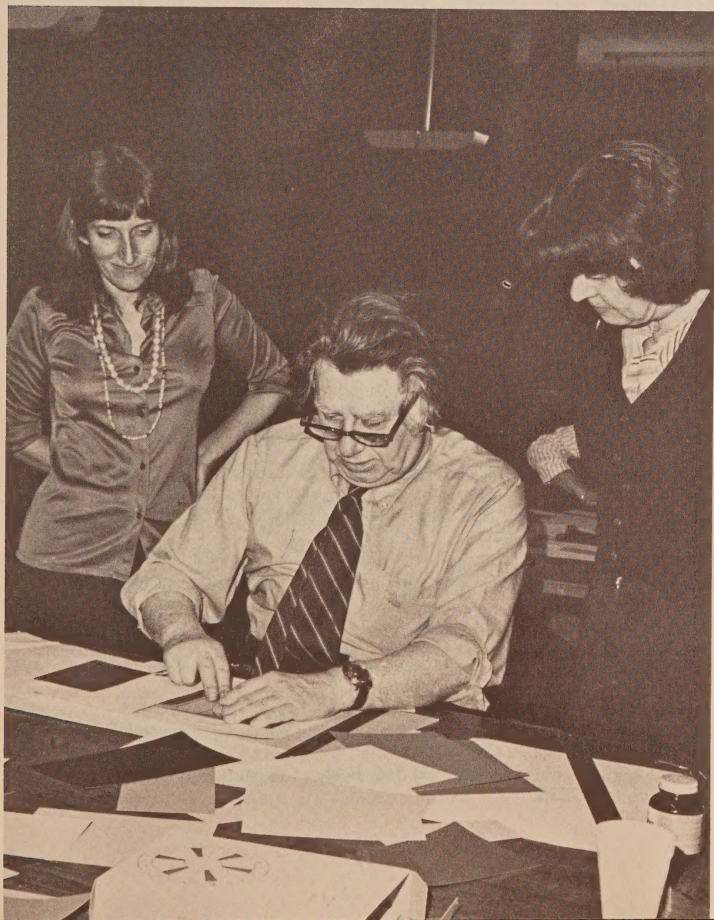
VES E-163c *American Architecture and Urbanism in the Twentieth Century

William J. Curtis, Ph.D., Assistant Professor of Visual and Environmental Studies, Harvard University. Fall Term. (Sept 21) Thursday, 5:30-7:30 p.m. 4 units. Credit students \$80; non-credit \$50. Carpenter Center, Screening Room, B-04.

This course will introduce the student to major developments in architecture and town planning in the United States from the end of the 19th century to the recent past. Lectures will cover skyscrapers, suburban houses, public buildings, etc., and the course will include the major architects from the turn of the century up until the past thirty years. The course will use an integrated approach which will address the issues of form, vocabulary, symbolism, style, technique, social purpose, the relationship to political ideology, etc. The background to present day problems and solutions will be investigated, including a wide range of quality and many Boston examples.

Area C

See also **Fine Arts**.



Extension Teaching Staff for 1978-79

- Kabir U. Ahmad, Ph.D., Dept. of Economics, Tufts University, Medford 02155, 628-5000 Ext. 392.
- Albert Alcalay, 66 Powell St., Brookline 02146, 217-1277.
- Paul G. Bamberg, D. Phil., Science Center, 101, Harvard University, 495-5359.
- Hugo A. Bedau, Ph.D., Eaton Hall 109, Tufts University, Medford 02155, 628-5000.
- Larry D. Benson, Ph.D., 271 Widener Library, Harvard University, 495-4136.
- Robert P. Bergman, Ph.D., Fine Arts Dept., Fogg Art Museum, Harvard University, 495-4777.
- Anne Bernays, B.A., 16 Francis Ave., Cambridge 02138, 354-2577.
- Brian J.L. Berry, Ph.D., 333C Gund, Harvard University, 495-4962.
- Ludmila Birladeanu, Ph.D., 12 Oxford St., Harvard University, 495-4079.
- Wilson B. Bishai, Ph.D., 434 William St., Stoneham 02180, 438-3253.
- John Bohstedt, Ph.D., L-14 Robinson Hall, Harvard University, 495-3087.
- Barbara M. Brenzel, Ed.D., Education Division, Wellesley College, Wellesley, 354-6408.
- Beverly L. Brown, Ph.D., Dept. of Art, Brown University, Providence, R.I. 02912.
- John M. Bullitt, Ph.D., 16 Widener Library, Harvard University, 495-4545.
- Susan H. Bush, Ph.D., 147 Mt. Auburn St., Cambridge 02138, 876-9663.
- John M. Carr, B.S., Museum of Science, Science Park, Boston 02114, 723-2500.
- Patricia R. Chaput, A.M., Dept. of Humanities, 14N-221B, Massachusetts Institute of Technology, Cambridge, 02138, 253-3069.
- James R. Chisholm, Jr., B.S., Dept. of Public Education, Museum of Fine Arts, 465 Huntington Ave., Boston 02115, 267-9300.
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- Michael J. Connolly, Ph.D., Carney Hall 236, Boston College, Chestnut Hill 02167, 969-0100.
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- Bernard D. Cooperman, Ph.D., 6 Divinity Ave., Harvard University, 495-4654.
- Selwyn R. Cudjoe, Ph.D., 77 Dunster St., Harvard University, 495-7828.
- C. Michael Curtis, A.B., 424 Walnut St., Brookline 02146, 731-6772.
- William J. Curtis, Ph.D., Visual and Environmental Studies Dept., Sever Hall, Harvard University.
- Norman Daniels, Ph.D., Dept. of Philosophy, Tufts University, Medford 02155, 628-5000, Ext 319.
- Elizabeth B. Davis, Ph.D., 24 Sixth St., No. 2, Cambridge 02141, 661-3197.
- Michele A. DeAngelis, Ph.D., 1737 Cambridge St., Harvard University, 495-4055.
- Anthony J. DeVito, Ph.D., Dept. of Modern Languages, Boston University, Boston 02215, 353-2642.
- Antonio DiSanzo, Ph.D., Boylston Hall, Harvard University.
- David Dressler, Ph.D., 365 Biological Laboratories, Harvard University.
- Johanna T. Dwyer, D.Sc., N.E. Medical Center Hospital, 185 Harrison Ave., Boston 02111, 956-5273.
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- M. Luisa Escribano, M.A., 29 Garden St., No. 307, Cambridge 02138, 498-7957.
- Donald Fanger, Ph.D., Boylston Hall 301, Harvard University, 495-4065.
- Joseph Featherstone, A.B., Graduate School of Education, Harvard University, 495-4674.
- L. Dodge Fernald, Ph.D., 10 Denton Road, Wellesley 02181, 235-4496.
- Ellsworth A. Fersch, Ph.D., Mass Mental Health Center, 74 Fenwood Road, Boston 02115, 734-1300.
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 Robert Frye, M.A., Department of French, Wellesley College, Wellesley.
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 Carney E.S. Gavin, Ph.D., Semitic Museum, 6 Divinity Ave., Harvard University, 495-4631.
 David G. Gil, D.S.W., Heller School, Room 308, Brandeis University, Waltham 02154, 647-2927.
 Carol Gilligan, Ph.D.
 Sol Gittleman, Ph.D., Dept. of German and Russian, Tufts University, Medford 02155, 628-5000, Ext. 325.
 Thomas J. Givnish, Ph.D., 285 Biological Laboratories, Harvard University, 495-3283.
 Ellen J. Glew, M.A., Boylston Hall 419, Harvard University, 495-5339.
 George W. Goethals, Ed.D., 270 William James Hall, Harvard University, 495-3839.
 Herbert H. Golden, Ph.D., 718 Commonwealth Ave., Boston 02215, 353-2642.
 Erich Goldhagen, M.A., Russian Research Center, 1737 Cambridge St., Harvard University, 495-4134.
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 Kenneth A. Grossberg, Ph.D., Boston College, Chestnut Hill 02167, 969-0100.
 Ewart Guinier, J.D., 29 Robinson St., Cambridge 02138, 491-1649.
 Thane E. Gustafson, Ph.D., Littauer Center G-18, Harvard University, 495-1955.
 Jan L. Hagman, M.A., F.K., 15 Summit Ave., Somerville 02143.
 John Haller, Dr. Phil., Geological Museum, 221, Harvard University, 495-2351.
 Jorge Hankamer, Ph.D., Science Center 224G, Harvard University, 495-4054.
 Paul Hanson, Ph.D., Divinity School, Harvard University.
 John Hay, M.A., Fogg Museum, Harvard University.
 Jeffrey G. Heath, Ph.D., Linguistics Dept., Harvard University, 495-4054.
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 Inge S. Hoffmann, M.A., 91 Washington Ave., Cambridge 02140, 495-4563.
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 Chidi U.E. Ikonne, Ph.D., Afro-American Studies Dept., Harvard University, 495-7830.
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Dr. David E. Bynum
Fall (Michaelmas) term, 1977

Schedule of MEETINGS and REQUIREMENTS

Lectures: Thursdays, 7:30-9:00 p.m.
Mid-term examination: Thursday, 10 November, 7:30 p.m.
Final examination: Thursday, 12 January, 7:30 p.m.

READINGS for the week of

29 September: please read in Francis P. MAGOUN and Alex. H. KRAPPE,
translators, *The Grimms' German Folk Tales*, Carbondale,
1960 (and subsequent paperback reprintings) the follow-
ing tales, listed here by their numbers in the book:

1,4-7,9, 11-13, 15-17, 20, 21, 27, 29, 31, 36, 37, 47, 49, 50,
54, 57, 58, 60, 61, 63, 65.

6 October: continue reading *Grimms' Tales* numbers: 71, 76, 81, 90-93,
97, 101, 107, 110, 111, 113, 114, 116, 121-123, 129, 133, 134,
136, 146, 165, 166, 179, 181, 192, 193.

13-20 October: *The Folktale Reader* (zoxed material to be distributed
in class).

27 October-3 November: Daniel Biebuyck & K.C. Mateene, trs, *The Mwindo
Epic*, Berkeley (Univ. of California Press), 1969, and subsequent
paperback reprintings. Read the English text and notes.

10 November: Mid-term examination (one hour).

17 November-1 December: Richmond Lattimore, tr., *The Odyssey of Homer*,
New York, 1965, and subsequent paperback reprintings.

8-15 December: Please read in the *Bible*, (Old Testament), all the book
of Genesis, Exodus 1-34, Judges 13-16, and I Samuel 16 to I Kings 2.

5 January: William Shakespeare, *Measure for Measure*.

12 January: Final Examination (1½ hours).

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